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1924

American Seed and Seedtape Co.

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Madison, New Jersey

PAKRO
SEEDS

arm and Lawn

1924



PAKRO

GARDEN GUIDE

Selected Seeds, Plants, and
Bulbs for Your 1924 Garden

PAKRO

SELECTED SEEDS PLANTS, BULBS, ETC., FOR YOUR 1924 GARDEN

It is with particular satisfaction that we are able to furnish you, in this book of convenient size and shape, so complete a list of the best Flower and Vegetable Seeds, Plants, Bulbs, Shrubs, and Garden Requisites—in fact “Everything for the Garden.” To accomplish this it has been necessary to eliminate many inferior kinds and include only varieties of proved merit, enabling you to make your selection with complete confidence that you will receive from us only the most desirable in each classification.

PAKRO Seeds Twice Tested

Experience has undoubtedly taught you that poor seeds are dear at any price. Pure-bred, carefully tested seeds mean a bumper crop and full satisfaction. Bad seeds mean poor return for costly labor, loss of time, dissatisfaction, and annoyance.

PAKRO Seeds are pure-bred seeds from the farms of the most expert seed-growers in the world. They are twice-tested—once with modern seed-testing apparatus upon receipt by us from the grower, and again in our own Trial-Garden at Madison, N. J.—and are *guaranteed* to be of high germination, true to name, and of satisfactory productiveness, or purchase price will be refunded.

PAKRO Free Delivery

We deliver free by truck, mail, express, or freight, at our option, everything in this catalogue unless otherwise stated. If goods that we do not deliver free are ordered to come by parcel post instead of by express, add 10 per cent of amount of order to remittance if shipment is to be made east of Mississippi River and 15 per cent for all points west of Mississippi River unless otherwise stated.

PACKING.—We make no charges for cases or packing, only for cotton and burlap bags. These we invoice at cost and make full allowance when returned, prepaid, in good condition.

HOW TO ORDER.—Please use order sheet enclosed with this catalogue. Write name very plainly, or print name, post office, county, state, street, and house number (or R. F. D.) where you will get your mail, with explicit directions if stock is to be shipped to some other address. To avoid mistakes do not write letters on same sheet as orders.

KEEP A COPY OF YOUR ORDER, and if you do not hear from us in a reasonable time, send a duplicate order, naming the date on which the former order was sent, the amount of the money enclosed, etc.

REMITTANCE should be made by Draft on Bank, Post Office Order, Registered Letter, Express Money Order, or Check. Small amounts may be sent in stamps of small denominations. **Charge accounts** are opened to persons of approved credit. **C. O. D. Orders** should contain remittance for 25 per cent of the value of order.

PAKRO Double Guarantee

The vitality and purity of Pakro Quality Seeds are guaranteed to the full extent of the purchase price, and customers are allowed ten days from date of receipt in which to make germination or other tests. Because of varying planting and climatic conditions, we cannot and do not guarantee the resultant crop, nor will we be in any way responsible for loss of crops. If purchaser does not accept the goods on these terms they are to be returned at once.

We further guarantee the safe arrival of all seeds ordered from us and will replace promptly any shipment of seeds lost in the mails or which fails to reach you in usable condition, provided we are notified at once.

SAVE MONEY.—When making out your general list of seeds and plants, be sure to include insecticides, sprayers, garden tools, etc., thus saving extra shipping expense. Parties buying large quantities of any one variety will be quoted special prices.

LOAN YOUR CATALOGUE.—If any of your neighbors haven't a copy of our catalogue, loan them your copy and we will gladly send you another.

PAKRO FALL CATALOGUE.—Our illustrated catalogue of Hyacinths, Narcissi, Crocuses, Freesias, and all Hardy Bulbs and Plants for fall planting will be ready for mailing early in September and will be sent free to all who apply. A postcard will bring it to you, or, if you prefer, just write the words “Send Fall Catalogue” across the bottom of your order.

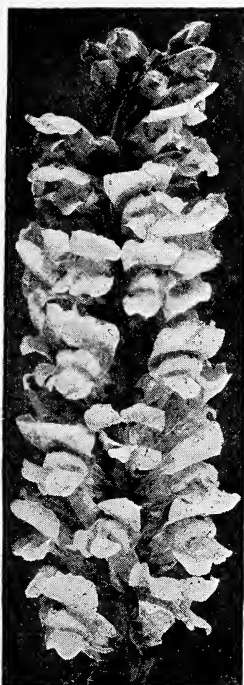
SEEDTAPE. Pakro customers desiring to plant the Seedtape way will find a complete list of all varieties of Vegetable and Flower Seeds offered in Seedtape in back of this book. All other descriptions and prices refer to Pakro Seeds in Packets or larger quantities.

American Seed and Seedtape Company
MADISON • NEW JERSEY

New and Rare Novelties in Flowers

The Pakro Flower Seeds listed as Novelties are either distinctive new varieties or represent a decided improvement over the old varieties with which you are more familiar. As you of course know, much of the pleasure of gardening lies in discovering something new and in being pleasantly surprised. Pakro Novelties will help you win prizes at exhibitions and are sure to excite the wonder and envy of your friends and neighbors.

If the seed is started outdoors, it *must not* be planted until all danger from frost is past; if started indoors early in the season (February or March), some of the plants may bloom as early as June. All of them will bloom the first year, although the perennials will give a better display the second year. Cultural directions will be found on every packet.



Giant Harmony Snapdragon

Antirrhinum, or Snapdragon

PAKRO GIANT HARMONY. Undoubtedly one of the finest tall Antirrhinums ever introduced. The flower-spikes are exceptionally long, almost equaling those of the new hybrid Delphiniums. Flowers are clustered thickly on the stalk and individual blooms are very large and exquisitely frilled. The color is rich terra-cotta-pink, shaded with rose and merging into golden yellow at the center. Previously this remarkable shade was only to be had in Breeder tulips. Pkt. 50 cts., 3 pkts. \$1.

PAKRO LARGE-FLOWERING HALF-DWARF. One of the finest flowers we know for both bedding and cut-flowers. Plants are half-dwarf in height, about 1½ feet tall, bushy, and bear numerous spikes of very large flowers. Our special strain is true to color and individual blooms are very large. **Red, Rose, Salmon, Yellow, White.** Each, pkt. 15 cts., ¼ oz. 50 cts.

COLLECTION: One pkt. each of the above 5 colors, 60 cts.

Mixed. Pkt. 10 cts., ¼ oz. 40 cts., oz. \$1.25.

Beauty Asters

A superb new large-flowering variety

Beauty Asters represent the height of perfection in this class of flowers. Large, strong, vigorous plants, with long, stout stems and magnificent double blooms, 4 to 5 inches in diameter. They begin to bloom in late September and last until killed by heavy frost. Plants are 2 to 3 feet high and of the branching type. Flower stems are from 1½ to 2 feet long, making them the best of all Asters for cut-flowers.

Azure Fairy. Delicate light clear blue. Pkt. 25 cts., 3 pkts. 60 cts., ¼ oz. 75 cts.

Peach Blossom. Charming, peach-blossom-pink. Pkt. 25 cts., 3 pkts. 60 cts., ¼ oz. 75 cts.

White Beauty. Immense flowers of the purest white. Pkt. 25 cts., 3 pkts. 60 cts., ¼ oz. 75 cts.

COLLECTION: One pkt. each of the above 3 colors, 60 cts.; 2 pkts. of each (6 pkts.), \$1

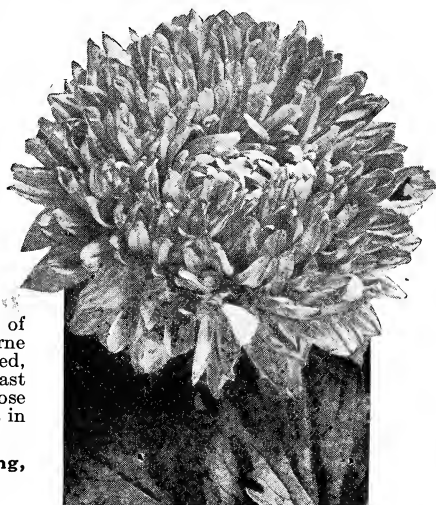
King Asters

A very distinct and pleasing type of Aster with many fine qualities to recommend it over other forms. Plants are of strong, bushy growth, about 1½ feet high. Flowers are borne on long, strong stems, and each petal is more or less folded, like a quill, forming a most attractive bloom. The flowers last for a long time in water. We particularly recommend Rose King and Violet King as being two of the *very finest* Asters in existence.

Crimson King, Lavender King, Rose King, Violet King, and White King, pkt. 15 cts., ¼ oz. 75 cts.

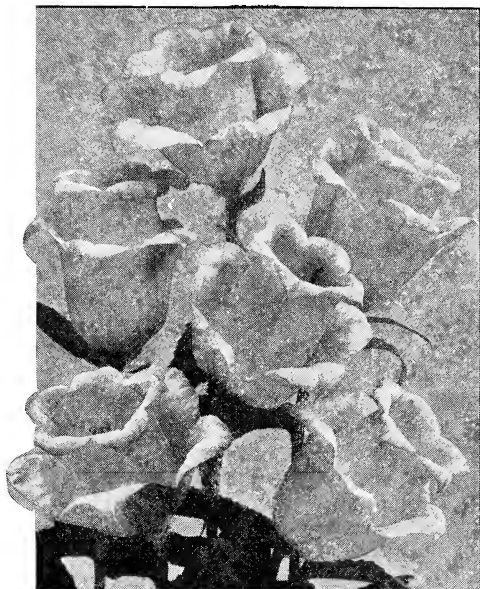
COLLECTION: One pkt. each of the above 5 colors, 60 cts.

Mixed. Pkt. 10 cts., ¼ oz. 65 cts., oz. \$1.75.



Beauty Aster

ALL FLOWER SEEDS SENT POSTPAID AT PRICES LISTED



Cup-and-Saucer Canterbury Bells

True Cup-and-Saucer Canterbury Bells

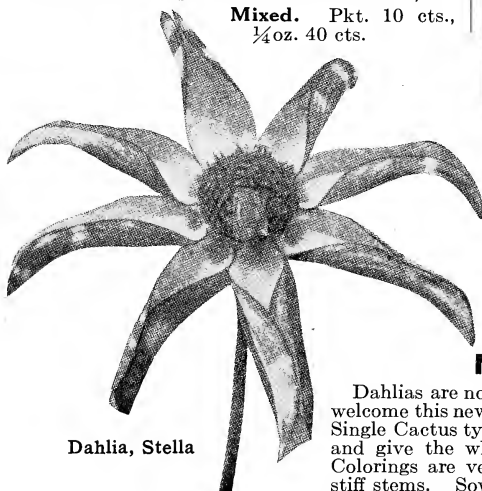
Campanula Medium Calycanthema

The true Cup-and-Saucer Canterbury Bells and undoubtedly the most desirable type of this old-fashioned garden plant. The blooms have a very large full calyx, same color as the bell, and the whole greatly resembles a miniature cup and saucer. Biennials but if started indoors very early will produce some flowers the first year. We particularly recommend the blue and pink shades for use as cut-flowers.

Blue, Pink, and White. Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

COLLECTION: One pkt. each of the above 3 colors, 35c.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.



Dahlia, Stella

Pakro Double or Crested Cosmos

A wonderful new variety of Cosmos with double or crested centers, making a most attractive bloom. In common with many other double forms of single flowers, they do not come entirely true from seed. The plants that will produce double flowers, however, are easily distinguished in the seedling state as they have a heavier and less cut foliage than the single varieties.

Pink Beauty. Rich pink. Pkt. 20 cts., 3 pkts. 50 cts., $\frac{1}{4}$ oz. \$1.

Crimson King. Deep crimson. Pkt. 20 cts., 3 pkts. 50 cts., $\frac{1}{4}$ oz. \$1.

White Queen. Pure clear white. Pkt. 20 cts., 3 pkts. 50 cts., $\frac{1}{4}$ oz. \$1.

COLLECTION: One pkt. each of the above 3 colors, 50 cts.; 2 pkts. of each (6 pkts.), 90 cts.



Cosmos, Double or Crested

Dahlia, Coltness Hybrids

An entirely new strain of Dwarf Dahlias now very popular for use in decorative schemes both indoors and out. Plants are of neat, compact growth, about $1\frac{1}{2}$ feet high, and bear a full and continued succession of blooms from July until frost. Blooms are single, about 3 inches in diameter, and with a wide range of colors. Start seed indoors and transplant out-of-doors when all danger from frost is past. Pkt. 50c., 3 pkts. \$1.

Novelty Dahlia, Stella

Dahlias are now so popular that we are sure our customers will welcome this new, strikingly formed variety. Stella is a form of the Single Cactus type, with but one row of petals which are recurved and give the whole flower a striking resemblance to a star-fish. Colorings are very varied and blooms are borne early on long, stiff stems. Sow seed indoors in April. Pkt. 50 cts., 3 pkts. \$1.

Improved Orange King Calendula

A decided improvement over strains previously offered. Flowers are extra large in size and full double, showing no hard centers. Plant is very compact and upright and not inclined to straggle as are other varieties. Color is rich, deep, glowing orange. We anticipate a large demand for this wonderful new variety. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. 85 cts., oz. \$2.50.

African Golden Daisy *Dimorphotheca aurantiaca*

A most striking bedding or border Annual. Plants are bushy, 12 to 15 inches high, and covered with blooms from early summer until frost. Flowers are daisy-like and a distinct glowing orange in color. Sow seed out-of-doors in May, where plants are to bloom. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. 50 cts.

New Exhibition Strain English Hybrid Delphiniums

Gorgeous and stately are these improved hybrid Delphiniums. Their tall spires rising to a height of 5 to 7 feet supply the garden with a wealth of blue that would be sadly lacking were it not for these magnificent plants. No other flower combines so many varied shades of this lovely color—the rarest in the garden. The soft azure of the forget-me-not, the rich blue of the gentian, and the deep sapphire, royal purple, lavender, and mauve hues are all represented. The petals, suffused with a beautiful rose iridescence, form a brilliant setting for the tuft, or “bee” as it is called, of small white, golden yellow, or black central petals, which, by striking contrast, accentuate the beauty of these large outer petals.



New English Hybrid Delphiniums

They are particularly effective in the hardy border or in masses in front of and among shrubs. In fact, they can be used to advantage in so many places that no real up-to-the-minute flower-garden is complete without them.

We have been exceptionally fortunate in securing from one of the foremost Delphinium specialists in England a small quantity of the distinctive new strain of English Hybrid seed personally selected from the finest exhibition varieties. Pkt. 75 cts., 3 pkts. for \$2. (Supply limited.)

Dianthus Allwoodii Perpetual-blooming Pinks

A new hybrid produced by crossing the perennial pink and the carnation, and one of the hardiest and most floriferous of the Dianthus family. Blooms continuously from spring until frost. Flowers are about 75 per cent double, in a wide range of colors and exquisitely sweet scented. Blooms first year from seed. Pkt. 50c., 3 pkts. \$1.

I have [used your flower seeds with fine success.—
Mrs. R. B. CARNEY, Cummins, Ark.



Dianthus Allwoodii

ALL FLOWER SEEDS SENT POSTPAID AT PRICES LISTED



Annual Lupins

Annual Lupins

A very handsome and free-blooming Annual that is not so generally known as it should be. Plants are bushy, about 2 feet high, and send up long, graceful spikes of sweet-pea-shaped flowers. Fine for tall beds and cutting. *Does best in partially shaded spots.* Sow in drills $\frac{1}{2}$ inch deep, either indoors in April or out-of-doors after the weather has become settled.

Deep Blue, Sky-Blue, Rose, and White.
Each, pkt. 20 cts., $\frac{1}{4}$ oz. 40 cts.

COLLECTION: One pkt. each of the above 4 colors, 60 cts.

Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Blue Lace Flower

Didiscus caerulea

A new-old flower, one that was grown years ago but was forgotten or neglected, no one knows which. Plants are $1\frac{1}{2}$ feet high and bear numerous tall, flat heads of beautiful lavender-blue flowers, not unlike those of the wild carrot but more rounded. Plant seed as soon as the frost is out of the ground in the spring. Blooms from July until killed by frost. Excellent as a cut-flower. Pkt. 20 cts., 3 pkts. 50 cts., $\frac{1}{4}$ oz. 75 cts.

Nicotiana affinis

Tuberose-flowered Tobacco

It is the subtle scents of such flowers as mignonette, heliotrope, and nicotiana that make our flower-gardens so alluring at twilight. A few plants of Nicotiana will give a most pleasing fragrance to the entire garden. Plants are about 3 feet high and should be placed at the back of the beds, so that they will not crowd out the dwarf-growing varieties. Blooms are pure white and greatly resemble those of the tuberose. Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts.

Pakro Double Stock-Flowered Larkspur

A superb strain of Annual Larkspurs unsurpassed for bedding and cutting. Height, $1\frac{1}{2}$ to 2 feet. Plants are quite bushy, with beautiful, finely cut fern-like foliage. Blooms are borne on spikes held well above the foliage, somewhat resembling the perennial larkspur but not so long. All the shades are beautiful, but we especially recommend the Rose, Light Blue, and Dark Blue.

Dark Blue, Flesh, Light Blue, Rose, and White. Each, pkt. 15 cts., $\frac{1}{4}$ oz. 40 cts.

COLLECTION: One pkt. each of the above 5 colors, 60c.
Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Balcony Petunia

For window- or porch-boxes, large beds, or borders, where continuous bloom is wanted, nothing quite equals the effect given by Petunias. The Balcony type is particularly adapted for porch- and window-boxes as it has somewhat trailing growth, and blooms profusely all summer long. Flowers usually 3 inches across.

Balcony Blue. Rich clear blue. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.50.

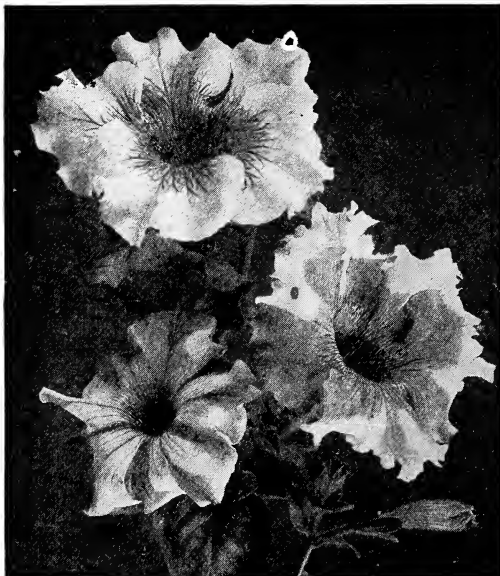
Balcony Pink. Clear pink. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.50.

Balcony White. Pure white. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.50.

COLLECTION: One pkt. each of the above 3 colors, 60c.

Ruffled Giant Petunia

Finest of the Giant Petunias. Individual blooms measure 4 to 5 inches across and are deeply fluted, giving them the appearance of having been artificially ruffled. The range of colors is very wide and all flowers are delicately veined. Pkt. 50 cts.



Ruffled Giant Petunias

Double Carnation-flowered Poppies

Poppies for cut-flowers! These wonderfully colored double Poppies will keep for several days in water if cut as soon as they open. Blooms are full, double, and delicately fringed at the edges of the petals. Colors are mostly in pleasing shades of pink. Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Blue Salvia

Salvia farinacea

This exquisite blue flower deserves a place in every garden. Plants grow 3 to 4 feet tall and only 8 to 10 inches in width, bearing long spikes of distinctive silvery blue flowers. A half-hardy perennial but best treated as an annual. Plant seeds indoors in February and transplant to their permanent position as soon as weather has become settled. Pkt. 25 cts., 3 pkts. 50 cts., $\frac{1}{4}$ oz. \$1.

Scabiosa Columbaria

A beautiful new hardy perennial. Plants are about 20 inches tall. Flowers are freely produced on long stems, are about $2\frac{1}{2}$ inches in diameter, a beautiful deep rosy mauve in color, and greatly resemble those of the annual scabiosa or mourning bride. Very hardy and will bloom the first year if planted early in the spring. Pkt. 50 cts., 3 pkts. \$1.

The seeds I bought of you brought the finest flowers I have ever grown.—H. YOGMAN, Bayonne, N. J.



Double Carnation-flowered Poppies

Perennial Sweet Pea

Lathyrus latifolius

Truly a boon to those who have been unable to raise the annual sweet pea. Plants are very hardy and vigorous and will grow in almost any location. Fine for covering fences and rough banks. Blooms continually from June until fall. Flowers are like those of the sweet pea, with five to seven blossoms to a stem. Colors are Pink and White. Pkt. 20 cts., 3 pkts. 50 cts., $\frac{1}{4}$ oz. \$1.

New Bush Verbena Royal Bouquet

A wonderful new Verbena that instead of trailing along the ground grows upright in the form of bushes 15 to 18 inches high and 10 inches across. Blooms are borne on long stems just above the foliage, with the same range of colors as the trailing variety. A decided advantage over the old form is that Royal Bouquet is excellent for both pot culture and cutting. Pkt. 50 cts., 3 pkts. \$1.



New Bush Verbena

Pakro Trial Gardens at Madison, N. J.

We are not content to merely know that our seeds grow. We maintain an extensive trial garden at Madison, N. J., where we make exhaustive tests to assure ourselves of the quality, productiveness, and trueness of each variety offered in our Garden Guide.

Viscaria, Tom Thumb Rosy Gem

A charming, new, very dwarf variety that should prove to be a decided acquisition for dwarf borders, bedding, rockeries, and window-boxes. Plants are of compact and very dwarf growth. Flowers resemble those of a vinca and are a lovely shade of bright carmine-rose. Blooms in great profusion from early spring until killed by frost. Pkt. 35 cts., 3 pkts. 75 cts.



Viscaria, Tom Thumb Rosy Gem

New Dahlia-flowered Zinnias

A striking new form of the popular Zinnia in separate colors of exceptional brilliancy. In both size and substance of individual blooms, this new type is far superior to the old. Flowers are truly mammoth in size, often measuring 6 inches in diameter and 3 to 4 inches deep. They are full double and have no hard, raised centers. Petals are curved, giving the same effect as a decorative dahlia. The plant is a strong, vigorous grower, similar in appearance to the old type.

Buttercup. Deep buttercup-yellow.

Canary Bird.* Delicate primrose-yellow.

Crimson Monarch. Deep crimson flowers as large as 8 inches in diameter.

Illumination. Deep rose.

Polar Bear. Pure white; very large.

Scarlet Flame. Beautiful bright scarlet.

Each, pkt. 20 cts., 3 pkts. 50 cts., $\frac{1}{8}$ oz. \$1.50

COLLECTION: One pkt. each of the above 6 colors, \$1; 2 pkts. of each (12 pkts.), \$1.75



New Dahlia-flowered
Zinnia

Service

Ask us your gardening questions. We maintain an efficient Service Department and are always glad to furnish you, without charge, information concerning the preparation of soil, time of planting, varieties best suited for your section, or methods of cultivation of any seed-field, garden, or flower. It is our desire to keep in as close personal touch as possible with our many customers, and to merit their good-will and friendship by continuing to furnish each and every one with *Highest Quality Seeds plus Prompt, Efficient Service.*

I had a space 40 by 80 feet in which I raised every variety of flowers that you sold, and I need not assure you that my flower garden was the envy of all my friends.—R. J. HOMAN, Elgin, Ill.

ALL FLOWER SEEDS SENT POSTPAID AT PRICES LISTED

Selected Strains Finest Vegetable Seeds

Brittle Wax Bush Bean

We consider this the best of the early wax-podded Bush Beans. Plants are strong, vigorous, and very productive, with rich dark green foliage. Pods are generally 7 inches long, slightly curved and very round. Flavor not excelled by any other Bean, and pods are always very tender and brittle. The light clear waxy color is retained even after they are cooked. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 35 cts., lb. 50 cts., 5 lbs. \$2.25.

Pakro Half-Long Smooth Blood Beet

Far too few gardeners are acquainted with the unusually fine qualities and delicious flavor of the Long and Half-Long Beets. We offer in Pakro Half-Long Smooth Blood the finest Beet of this type. Roots are half-long, oval in shape, and very smooth. Flesh is deep maroon-red, fine-grained and free from fiber or core. It may be pulled when quite young or left in the ground until mature, as the flesh is sweet and tender at all stages of growth. In addition to its other fine qualities Pakro Half-Long Smooth Blood is an excellent winter keeper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, 5 lbs. \$5.65.

Selected Drumhead Savoy Cabbage

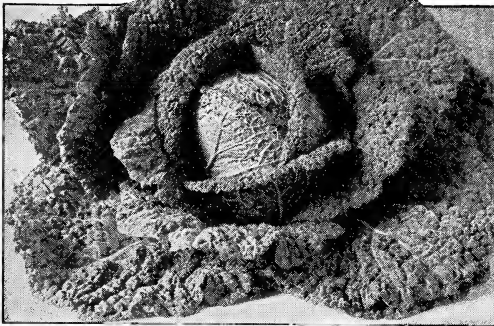
The aristocrat of the Cabbage family, surpassed only in flavor by cauliflower. If you have never grown or tasted Savoy Cabbage you have missed one of the most delicious and healthful vegetables. Heads are round, flat and solid and grow to a large size. Leaves are crumpled and blistered and have much more substance than the ordinary Cabbage. Drumhead Savoy seems to stand up better under ravages of insects and blights than other varieties and is an excellent winter keeper. Pkt. 15c., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$5.50.

Mammoth Rock Red Cabbage

Another Cabbage that, although of fine appearance and delicious flavor, is not nearly as generally grown as it should be. Heads are large, nearly round in shape, and very solid. Leaves are a rich deep red practically to the heart. Will keep all winter long if properly stored. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.45, lb. \$4.25.

Pakro French Forcing Carrot

One of the most delicious ways of serving peas is with creamed Carrots, but in order to do this you must have Carrots early. It almost seems as though French Forcing were made especially for this purpose, for it is one of the first Carrots to mature. Leaves are very small. Roots are 2 to 2 $\frac{1}{2}$ inches in diameter and nearly round. Flesh is deep orange in color and exceedingly sweet and tender. Fine for forcing in greenhouse or hotbeds. Pkt. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 5 lbs. \$7.



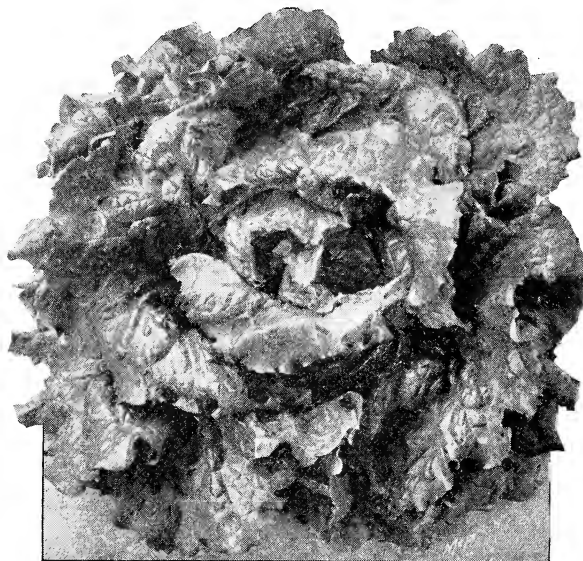
Selected Drumhead Savoy Cabbage



Half-Long Blood Beet

Pakro Easy-Blanching Celery

A new variety which in our opinion approximates Celery perfection. Can be grown either for early summer use or for storing for winter. Easy-blanching grows 20 to 24 inches high and is very uniform in size. Leaves and stalks are green in color and very thick and crisp. Hearts blanch to a clear white in a very short time (10 days to 2 weeks) and have a fine, rich, nutty flavor. If you have had difficulty in blanching Celery this variety will be a revelation to you. Pkt. 20 cts., oz. \$2, $\frac{1}{4}$ lb. \$5, lb. \$20.



New York or Wonderful Lettuce

True Golden Giant Sweet Corn

We have never advised planting Sweet Corn in very small gardens but here is a variety that is really too good to miss. Cut down on other vegetables if you must, but by all means try some Golden Giant. It is best described as a Giant Golden Bantam having all the rich, sweet buttery flavor of that variety but with ears about twice as large. Grains are quite hardy and may be planted somewhat earlier than the white grained varieties. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

Early Fortune Cucumber

As with the other varieties listed among our Novelties and Specialties, Early Fortune expresses our ideal of this particular vegetable. It is early, productive, and disease-resistant. Fruits when mature are 8 to 9 inches long and about $2\frac{1}{2}$ inches in diameter, tapering slightly toward the ends. Flesh is pure white, of fine texture, and very crisp. Skin is rich, dark green. The young fruits make excellent pickles. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 2 lbs. \$3.30.

Pakro Giant Exhibition Leek

An especially reselected strain of Giant Leek unexcelled either for show or eating purposes. Root-stalk is long and thick and blanches easily. Leaves are broad and flat and somewhat fan-shaped. Flavor is very sweet and mild. Young Leek roots make excellent scallions. Pkt. 20 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

New York or Wonderful Lettuce

This variety is fast crowding the other Lettuces off the market. Heads are extremely large, frequently weighing as high as 3 pounds. Leaves are somewhat crinkled and very crisp and tender. Outer leaves are rich, dark green and tightly folded over the heart, blanching it to a creamy whiteness. New York stands hot weather well and will produce splendid heads in spring, summer, or fall. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.50.

Edward's Perfecto Muskmelon

First introduced by us last year, it met with instant success. Practically a perfect Muskmelon. Vines are extra heavy, very disease-resistant and prolific. Fruits are heavily netted light gray and the rind or skin is quite tough. Flesh is firm, rich salmon color, and sweet and tender to the rind. The seed cavity is so small that on most fruits it can be covered with a silver dollar.

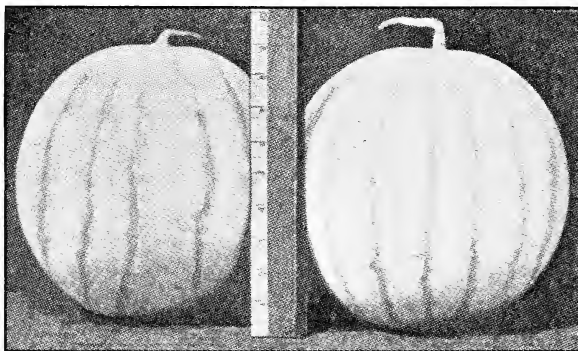
You must taste Edward's Perfecto to know how delicious a really good Muskmelon can be. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.50.

King and Queen Watermelon

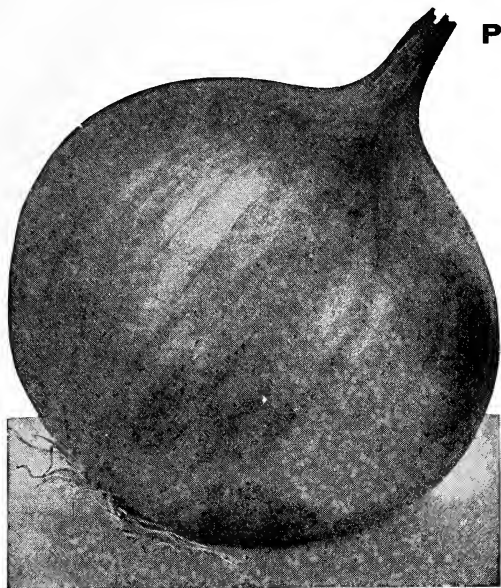
With the addition of this wonderful new variety, the Watermelon is no longer a strictly summer delicacy, for they may be kept in a cool, dry place until February. Fruits are nearly round in shape, light green, slightly striped darker green. The outside skin is quite hard and the flesh as sweet and tender as the finest summer varieties. Culture is the same as for the other Watermelons. Pkt. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Premium Offer

Send us the names and addresses of a few of your friends who have gardens, and we will include with your order a full size packet of any of the varieties on this page FREE.



King and Queen Watermelon



Pakro Giant Gibraltar Onion

Pakro Giant Gibraltar Onion

The finest and mildest extremely large Onion. Bulbs are perfect globe-shape, with straw-colored skin and pure white flesh. Pakro Giant Gibraltar is vigorous, hardy, disease-resistant, and but little affected by adverse weather conditions. To obtain bulbs of largest size for exhibition purposes, they should be started indoors in February or early March and transplanted to the open ground as soon as conditions permit. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$4.

Pakro Blue Bantam Peas

Listed among our novelties last year but showed so many fine qualities in our trial-grounds last summer that we feel called upon to give it prominence again this year. Blue Bantam is, in our opinion, the finest extra-early, large-podded, wrinkled variety, and, in addition, does extremely well as a midsummer variety, as shown in our trials. Vines are medium dwarf, sturdy, and prolific. Pods are 4 to 5 inches long and contain six to eight large, deliciously flavored Peas. A trial order will convince you of their superiority. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Pakro Mammoth Sweet Squash

A new, enormous, orange-fleshed, sweet Squash of our own introduction, grown from selected seed of a mammoth Italian strain. It is monstrous in size, a single specimen from our trial-grounds weighing 97 pounds and measuring 3 feet in length by 15 inches in diameter. The seed is all in the bulb-like end (as shown in the illustration); the remainder is solid flesh. The flesh is a rich, deep, orange color, firm but not tough, and of the sweetest flavor. Pies made from this wonderful Squash are the best we have ever tasted. Culture is the same as for ordinary Squash or pumpkin, but, to produce fruits of the largest size, the soil should be very fertile and plants should be given plenty of room in which to develop. Pkt. 20 cts., oz. 75 cts.

New Dwarf Stone Tomato

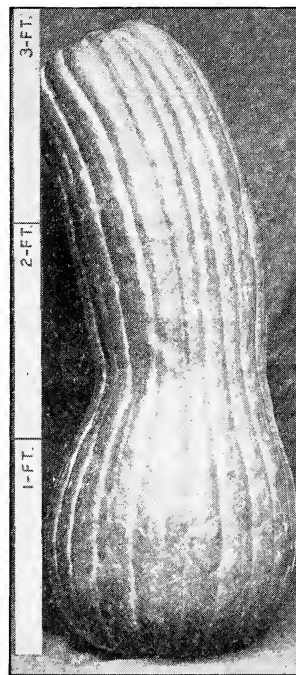
Best described as a Bush Tomato, as the plants are dwarf and bushy in growth, holding their fruits well off the ground so that they do not require staking. Although they are not quite so prolific as the running sorts, no fruits are spoiled by contact with the ground. Fruits are large, round, very solid, and contain but few seeds. Color is rich, deep scarlet. Pkt. 15 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.15, lb. \$6.50.

Pakro Golden Giant Tomato

This yellow counterpart of Ponderosa, or Beefsteak Tomato, contains much less acid than the red varieties. Vines are strong and vigorous and bear large yellow fruits, tinged red, fully equaling Ponderosa in size. The flavor is very sweet and is much preferred by some people to that of other Tomatoes. Pkt. 15 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$7.50.

Spray for Best Results

It is easier to keep well than to get well after being sick. This also applies to plants. Spray with Bordeaux Mixture every two to three weeks during the summer to keep plants healthy.



Pakro Mammoth Sweet Squash

Sow Pakro Lawn Grass Seed

FOR, A PERFECT AND PERMANENT VELVETY GREEN TURF

Pakro Lawn Grass Seeds are noted for their adaptability to various situations and soil conditions, and are used throughout the country for the making of private lawns, also on golf grounds, parks, polo fields, athletic fields, etc.

Essentials for a Good Lawn

The fine lawns that one sees throughout the country are not accidents but the result of careful grading, soiling, fertilizing, and seeding, and of proper mowing and care after they have been established.

When a lawn is made, it must be remembered that it is for all time, and the preparation of the ground should be as thorough as possible. If not naturally drained, drainage should be provided for. If the top-soil is poor or very shallow, more soil should be put on, to a depth of at least 4 inches. The deeper the top-soil the better will your lawn stand summer drought and dry spells. Leveling is important, and lawns graded into gentle slopes will not wash so readily and are easier to care for than steep slopes or terraces.

Before seeding, the ground should be thoroughly pulverized and all rubbish and stones raked off. Grass will not grow properly on lumpy ground. When sowing the seed, the first precaution is to sow enough—too much can hardly be applied; the second is to sow evenly. A good plan is to sow first lengthwise and then crosswise—this will secure an even distribution of seed. The best time to sow grass seed is in a light, misty rain, when no wind is blowing.

A lawn should be mowed regularly once or twice a week, and a new lawn just as soon as it is high enough to cut. It should be rolled every spring. If you have occasion to water your lawn, soak it thoroughly. A light sprinkling is worse than none, as it draws the roots to the surface.

An application of bone meal or pulverized sheep manure once or twice a year will be beneficial. Barnyard manure should be avoided, as it usually contains many troublesome weed seeds.

The quality of seed used is, after all, the biggest factor in producing a perfect lawn. Cheap mixtures—and there are dozens of them on the market—often contain many weed seeds, and once weeds get a foothold they are with you to stay unless removed by hand.

Pakro Lawn Mixture

Equals best on earth

This is a well-balanced blend of various fine-leaved grasses of highest quality, all thoroughly re-cleaned, free from weeds and chaff, and containing only clean, healthy, vigorous seeds that will produce a fine-textured lasting turf within a few weeks from sowing. Included in this mixture are strains of grasses which withstand drought and exposure, thrive on shallow soils, and, at the same time, produce a fine-bladed, rich velvety green lawn from early spring until snow falls. Used annually by thousands of our customers in all parts of the United States, including many large private estates and institutions.

Resolve this year to make your lawn the admiration of everyone who sees it by sowing a liberal quantity of Pakro Lawn Grass Mixture. Qt. 30 cts., lb. 50 cts., 5 lbs. \$2.25, 10 lbs. \$4, 20 lbs. \$7.50, 100 lbs. \$35.

Florham Park Mixture

Extra good for quick growth

A carefully prepared mixture of less expensive varieties than those used in our Pakro Lawn Grass Mixture. Florham Park Mixture will produce a green, abundant lawn of good lasting qualities. We recommend it especially to those

who want a medium-priced grass seed of good quality. Qt. 25 cts., lb. 40 cts., 5 lbs. \$1.90, 10 lbs. \$3.50, 20 lbs. \$6.50, 100 lbs. \$30.

Pakro Shady Place

Grows grass under trees

Ordinary grasses will not live under trees, on the north side of walls, or other places where the sun's rays cannot reach. Pakro Shady Place Grass Mixture is just what you want for such spots. It is a combination of hardy grasses that have an almost evergreen habit, and which thrive best in sheltered spots. Ground that is densely shaded by trees is frequently "sour." In such cases it is advisable to use a liberal amount of slaked lime on the soil—about 1 bushel to 1,000 square feet—before sowing, and also to remove moss by means of a steel rake. Qt. 45 cts., lb. 70 cts., 5 lbs. \$3, 10 lbs. \$5, 20 lbs. \$9, 100 lbs. \$40.

White Lawn Seed

Many of our customers like a little more White Clover in their lawns than is generally found in grass seed mixtures. Seed may be sown at any time during spring, summer, or fall. Particularly useful for ridding lawns of weeds by crowding them out. Oz. 15 cts., ¼ lb. 40 cts., lb. \$1, 10 lbs. \$9.

Lawn and Golf Fertilizers

Bone Meal. Finely ground. An ideal top-dressing for lawns. 5 lbs. 50c. (70c. by mail), 10 lbs. 90c., 50 lbs. \$2.50, 100 lbs. \$4.25, ton \$52, f.o.b. Madison, N. J.

Sheep Manure. One of the very best fertilizers for lawns. Much superior to barnyard manure, as it contains no weed seeds. 5 lbs. 40 cts. (60 cts. by mail), 10 lbs. 60 cts., 50 lbs. \$2, 100 lbs. \$3.50, ton \$50, f.o.b. Madison, N. J.

Hydrated Lime. Lime should be applied to your lawn every year to keep the soil sweet. Use at rate of a quarter-pound per square foot, and, if possible, work into the soil with a steel rake. 50 lbs. \$1.25, 100 lbs. \$2.25, ton \$30, f.o.b. Madison, N. J.

Prepared Humus. Clean and pleasant to handle and may be used on the most tender plants and seeds without danger of burning them. The plant-food is immediately available. It also improves the soil for subsequent crops. 100 lbs. \$2.50, 500 lbs. \$11, 1,000 lbs. \$20, ton \$35, f.o.b. Madison, N. J.

Pakro Lawn and Garden Dressing. A complete scientific plant-food for both lawn and garden. Contains all elements to promote luxuriant growth. Pleasant and easy to handle and a little goes a long way. Ten pounds sufficient to top dress 1,000 square feet. 10 lbs. \$1.10, 100 lbs. \$5, f.o.b. Madison, N. J.

Lawn Grass Seeds for Special Situations

We list on this page grass seeds for numerous special situations as well as the separate varieties of grasses and clovers usually used when extraordinary treatment is required. From these you can undoubtedly select the kinds best suited for your soil and conditions, but if expert opinion is desired, and you will send us sample of the soil and state in as much detail as possible the conditions, we will be pleased to recommend the formula best suited to your needs.

PAKRO TERRACE MIXTURE.

A private formula combining deep-rooted grasses that will not readily wash out during heavy rains and which withstand drought and exposure. Sow slightly more per square foot than is used for ordinary lawns. Lb. 70 cts., 5 lbs. \$3, 10 lbs. \$5, 20 lbs. \$9, 100 lbs. \$40.

PAKRO FAIRWAY GOLF MIXTURE.

Our own special formula containing the following varieties: Kentucky and Canada Blue for spring and early summer turf; Red Fescue for summer turf; Red Top for fall turf; and small quantities of Timothy and Perennial Rye Grass to act as a nurse crop until the other varieties are established. Quantities of each variety are carefully combined to insure a lasting, even turf from early spring until late fall. Lb. 55 cts., 5 lbs. \$2.50, 10 lbs. \$4.50, 20 lbs. \$8, 100 lbs. \$37.50.

PAKRO PUTTING-GREEN MIXTURE. A very carefully compounded mixture of only the finest-leaved grasses, made from a special formula furnished us by one of the oldest and best known greenkeepers in the world. When properly sown it produces the finest turf obtainable, and one that will stand much trampling and hard use. Lb. 80 cts., 5 lbs. \$3.75, 10 lbs. \$7, 20 lbs. \$13.50, 100 lbs. \$60.

FREE DELIVERY. We deliver free all lawn grass seed mixtures to your town or city, anywhere in the United States, when cash accompanies your order, forwarding same by mail, truck, express, or freight, at our option.



Pakro Putting-Green Mixture

Fancy Recleaned Grass Seeds

Creeping Bent. Makes a fine, smooth, velvety green turf. Creeping roots. Generally used for putting-greens. Will grow on practically any soil. Lb. \$2.50. Write for prices of larger quantities.

Fancy Red Top. Closely related to Creeping Bent but not quite so creeping. Used in general lawn and pasture mixtures, also for greens, fairways, and polo fields. Grows well on practically all soils. Best grade, 45 cts. per lb. Write for prices of larger quantities.

Canada Blue. Most verdant in early summer. Slightly coarser than Kentucky Blue. Will stand hard trampling. Does best on clay soils with lime. Lb. 50 cts. Write for prices of larger quantities.

Kentucky Blue. Slow growing, but once established is best for practically all purposes. Must have a sweet soil. Used in lawn and pasture mixtures and for golf-greens and fairways. Lb. 60 cts. Write for prices of larger quantities.

Red Fescue. Leaves stiff and will stand severe trampling. Largely used for greens, fairways, and tees. Also does well under trees. Especially valuable on poor, very dry land. Lb. \$1. Write for prices of larger quantities.

Chewing's Fescue (New Zealand). Practically identical with Red Fescue but has finer leaves and therefore is better for golf-greens. Lb. \$1.15. Write for prices of larger quantities.

Sheep's Fescue. Same general growth as Red Fescue. Does well on any soil except very wet. Excellent for fairways and tees. Lb. 90 cts. Write for prices of larger quantities.

English Perennial Rye. Rapid grower, suitable for practically all soils that are well supplied with moisture. Will give a fine green turf in shorter time than any other variety, but does not last and should be combined with one or more other varieties. Does well under trees. Lb. 35 cts. Write for prices of larger quantities.

Crested Dog's Tail. Hard-leaved variety. Has tendency to grow in tufts if planted separately, but if properly combined with other grasses is fine for greens and fairways. Does well on hard, dry soils. Lb. 75 cts. Write for prices of larger quantities.

Timothy. Largely used in pasture mixtures and occasionally in lawns where it helps to make a fine lasting turf when properly combined with other varieties. Lb. 25 cts. Write for prices of larger quantities.

Quantity of Lawn Seed to Sow

1 qt. will sow a plot of 280 sq. ft.
1 lb. will sow a plot of 400 sq. ft.
5 lbs. will sow a plot of 2,200 sq. ft.

20 lbs. will sow $\frac{1}{2}$ acre, or 8,800 sq. ft.
100 lbs. will sow 1 acre, or 43,500 sq. ft.

Note.—For reviving an old lawn, about half the above quantities are sufficient for the given spaces.

Helpful Hints for Successful Vegetable Growing

LOCATION. The ideal garden location is level ground or ground slightly sloping south. Excellent results are, however, obtained on other locations. Rows may run either north and south or east and west, it makes no difference, but it should be remembered that tall-growing varieties, such as lima beans and sweet corn, should be planted at the northern end so that they will not shade the smaller-growing varieties.

SOIL. The best soil for a garden is a sandy loam. If your garden soil is too heavy, it may be lightened by an application of lime; if too light, humus should be added by spading or plowing under cover crops, such as rye or crimson clover. Lime applied at least once every three years should keep the physical condition of your soil very nearly perfect. (Apply Lime at rate of 1 pound for every 20 square feet.)

MANURES. Practically all vegetables that are grown in the home-garden are heavy feeders, so that the garden should receive some sort of a fertilizer every year. Well-rotted barnyard manure is the best all-round fertilizer, and it can hardly be put on too thickly if it is thoroughly mixed with the soil at time of spading. If barnyard manure is not obtainable, use pulverized sheep manure (see page 58), 1 pound to every 10 square feet, or wood ashes at about same rate. For all root crops (beets, carrots, etc.) put a little bone meal in the drill before sowing seed and cover lightly with soil. For leaf crops (lettuce, cabbage, etc.) a small quantity of nitrate of soda (not more than a teaspoonful to a foot of row) will quicken growth and make larger plants.

PREPARATION. The ground may be spaded or plowed as soon as it will crumble on the fork or spade. Wet, sticky ground should not be spaded as it will bake into hard lumps. Deep spading is advisable where the top-soil is deep but where the top-soil is shallow and sub-soil hard clay, spading should only be as deep as the top-soil. After spading, ground should be raked or harrowed to break up the lumps so that a fine seed-bed is provided.

PLANTING. The way and time you plant can make or break your garden. Plant as early as the season allows, and not too deeply (follow carefully instructions given in table on following page). Practically all vegetables can be transplanted, and much time may be gained by starting them indoors or in a hotbed or cold-frame and planting out-of-doors at earliest date given for sowing seed in open ground. Soil should be moist and fine (never wet) and firmed over the seeds, either by walking along the row or pressing down with the bottom of the rake or hoe as the seeds are covered. Midsummer plantings should be made slightly deeper than in early spring.

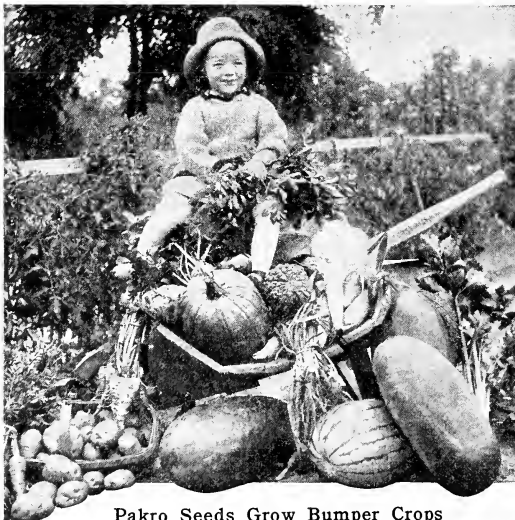
HOTBEDS AND COLDFRAMES. Hotbeds are usually made by piling, inside a wood or concrete frame, fresh manure to a height of 1½ feet, with 4 to 5 inches of good soil on top. Glass sash should be placed over this to retain the heat. A coldframe is practically the same as a hotbed except that no manure is put in the bottom, heat being derived from the sun by sash.

TRANSPLANTING. If carefully done, practically all vegetables can be transplanted. Points to keep in mind are: **First:** If soil, both about the plants and the place where they are to be transplanted, is not already wet it should be thoroughly soaked. **Second:** Lift the plants carefully, taking as much of the roots as possible and some soil. **Third:** Plant in their new position slightly deeper than they were formerly and be sure to firm the soil about the roots. **Fourth:** Do not expose the roots to sun and air any longer than absolutely necessary. **Fifth:** If very hot, shade the plants to prevent withering. **Sixth:** If plants are quite large, remove several of the outer leaves to compensate for roots that are broken in lifting.

WATER. Do not water unless the season is exceptionally dry, and when you water, do it thoroughly. The best way is take the nozzle off the hose and let water run, placing the hose at the highest point of the garden. By making small trenches with a hoe, the water may be led to every part of the garden. Let the water run until the ground is thoroughly soaked. If sprinklers are used, be sure that the ground is soaked before moving and avoid sprinkling in bright sunshine in heat of day.

CULTIVATION. Constant cultivation is the secret of garden success. It keeps the weeds down and conserves the moisture. In an ordinary summer, your garden will not need water if the cultivation is thorough.

SUCCESSION. Ground that remains idle, or on which the old vegetables are allowed to go to seed, loses as much plant-food as if it were growing a useful crop. As soon as a variety is through bearing, take it out and plant something else that will bear before frost. A glance at the table on the following page will show latest date at which the various varieties may be planted.



Pakro Seeds Grow Bumper Crops

Have had splendid results with Pakro seeds.
—Mrs. AL. DENTON, 410 S. Sandusky St.,
Columbus, Ohio.

PAKRO SEEDS ARE TESTED IN OUR OWN TRIAL GROUNDS

What, When, and How to Sow

	Seed for 100 ft. of Row	Time to Plant in Open Ground		Depth To Plant	Distance Rows Apart	Distance Plants Apart	Ready For Use in
		North	South				
Asparagus Seed. H.....	1 oz.	Spring	Spring	1 in.	1 ft.	3 in.	3 yrs.
Asparagus Roots. H....	60 rts.	Spring	Spring	1 ft.	2 ft.	18 in.	2 yrs.
Beans, Dwarf. T.....	2 lbs.	Apr.-July	Feb.-Apr.	2 in.	2 ft.	6 in.	42 days
Beans, Pole. T.....	1 lb.	May-June	Apr.-May	2 in.	3 ft.	3 ft.	72 days
Beets, Table. H.....	2 oz.	Apr.-Aug.	Feb.-Apr.	1 in.	18 in.	2 in.	45 days
Beets, Mangel. H.....	2 oz.	May-June	Mar.-May	1 in.	18 in.	6 in.	75 days
Broccoli. B.....	½ oz.	May-June	Jan.-Feb.	½ in.	18 in.	18 in.	90 days
Brussels Sprouts. B....	½ oz.	May-June	Jan.-July	½ in.	18 in.	18 in.	100 days
Cabbage, Early. B.....	½ oz.	Mar.-May	Oct.-Dec.	½ in.	18 in.	18 in.	90 days
Cabbage, Late. B.....	½ oz.	May-June	June-July	½ in.	2 ft.	2 ft.	110 days
Carrot. H.....	1 oz.	Apr.-July	Mar.-Apr.	½ in.	18 in.	2 in.	55 days
Cauliflower. B.....	½ oz.	May-June	Jan.-Feb.	½ in.	18 in.	18 in.	85 days
Celery. B.....	½ oz.	May-June	Aug.-Oct.	¼ in.	18 in.	6 in.	110 days
Corn Salad. T.....	1 oz.	July-Aug.	Aug.-Oct.	½ in.	18 in.	4 in.	60 days
Corn, Sweet. T.....	1 lb.	May-July	Feb.-Apr.	2 in.	2 ft.	10 in.	55 days
Cucumber. T.....	1 oz.	May-July	Feb.-Mar.	1 in.	3 ft.	3 ft.	50 days
Eggplant. B.....	¼ oz.	May-June	Feb.-Apr.	½ in.	2 ft.	18 in.	120 days
Endive. H.....	2 oz.	Apr.-July	Feb.-Apr.	½ in.	18 in.	10 in.	90 days
Kale. B.....	½ oz.	June-Aug.	Oct.-Feb.	½ in.	18 in.	15 in.	60 days
Kohlrabi. H.....	1 oz.	Apr.-July	Sept.-May	½ in.	18 in.	3 in.	50 days
Leek. H.....	2 oz.	Apr.-May	May-Sept.	½ in.	18 in.	4 in.	120 days
Lettuce. H.....	1 oz.	Apr.-Aug.	Sept.-Mar.	½ in.	1 ft.	6 in.	70 days
Muskmelon. T.....	1 oz.	May-June	Feb.-Apr.	1 in.	4 ft.	4 ft.	85 days
Watermelon. T.....	2 oz.	May-June	Mar.-May	1 in.	6 ft.	6 ft.	100 days
Mustard. H.....	1 oz.	May-Aug.	Mar.-May	½ in.	18 in.	2 in.	60 days
Okra. T.....	2 oz.	May-June	Feb.-Apr.	1 in.	2 ft.	18 in.	90 days
Onion, Seed. H.....	1 oz.	Apr.-May	Oct.-Mar.	½ in.	18 in.	3 in.	120 days
Onion, Sets. H.....	2 qts.	Apr.-May	Feb.-Mar.	1 in.	1 ft.	3 in.	90 days
Parsley. H.....	½ oz.	Apr.-May	Sept.-May	¼ in.	18 in.	2 in.	65 days
Parsnip. T.....	1 oz.	Apr.-May	Mar.-Apr.	½ in.	18 in.	3 in.	130 days
Peas. H.....	2 lbs.	Mar.-June	Sept.-Apr.	2 in.	2 ft.	1 in.	45 days
Pepper. B.....	¼ oz.	May-June	Mar.-Apr.	½ in.	2 ft.	18 in.	125 days
Pumpkin. T.....	1 oz.	May-July	Apr.-May	1 in.	8 ft.	6 ft.	75 days
Radish. H.....	1 oz.	Mar.-Sept.	Sept.-Apr.	½ in.	12 in.	1 in.	20 days
Rutabaga. H.....	1 oz.	May-June	Aug.-Sept.	½ in.	18 in.	4 in.	90 days
Salsify. T.....	2 oz.	Apr.-May	Mar.-Apr.	1 in.	18 in.	3 in.	140 days
Spinach. H.....	1 oz.	Mar.-May	Sept.-Feb.	1 in.	12 in.	1 in.	45 days
Squash, Summer. T.....	1 oz.	Apr.-June	Mar.-May	1 in.	4 ft.	3 ft.	65 days
Squash, Winter. T.....	1 oz.	May-July	Mar.-June	1 in.	5 ft.	4 ft.	125 days
Swiss Chard. H.....	2 oz.	Apr.-June	Feb.-Apr.	1 in.	18 in.	4 in.	60 days
Tomato. B.....	¼ oz.	May-June	Dec.-Mar.	½ in.	4 ft.	3 ft.	120 days
Turnip. H.....	1 oz.	Apr.-Aug.	Aug.-Oct.	½ in.	1 ft.	3 in.	45 days

Explanation of Table

The initials H, T, and B, immediately after the variety denote:

H., Hardy. Seeds may be planted as early in the spring as the ground can be worked.

T., Tender. Seeds should not be planted until the ground has become thoroughly warmed.

B., Plant in beds. Seeds should be started indoors in boxes, in hotbeds, or in coldframes, and transplanted to the open ground when the soil has become thoroughly warmed. Seed of these varieties may also be planted in the open ground, after the ground has become thoroughly warmed.

Amount of seed for 100 feet of row. The amount required for any length of row may easily be figured. (N. B. a packet will sow from 15 to 25 feet of row.)

Time to plant in open ground: Dates

given are approximate only, as local conditions must be taken into consideration.

Depth to plant. Depth to plant in the spring. Later plantings should be made somewhat deeper.

Distance rows apart. The minimum distance for good results. It may be increased to allow for hand- or horse-cultivation.

Distance plants apart. Minimum distance apart mature plants should be placed to produce maximum amount of vegetables.

Ready for use. The average number of days required for the early varieties to mature. Late and main-crop varieties will take somewhat longer. In planting for late fall crops, be sure to take number of days to mature into consideration so that the crop will mature before frost.

Vegetables

MONEY-SAVING

LEADING VARIETIES OF CHOICE VEGETABLE

There is an increasing number of seed-buyers each year who prefer to purchase bargain collections of seeds, both vegetables and flowers. It is easy to understand the reason for this when one stops to consider the exceptional value obtained, also the saving of time and trouble usually required in making individual selections.

The choice of varieties included has been determined by our own and other expert gardeners with two purposes in mind, viz: First, to give to the inexperienced a selected assortment of flower and vegetable seeds most suited to average needs; second, to save both time and money for the more experienced garden planter.

We are sure you will find among these combinations one or more that will fulfil a good share of your season's requirements.

\$3.00 HOME-GARDEN COLLECTION **\$2.00**

VALUE 27 Varieties of Vegetables POSTPAID

If you have been raising only five or six or even ten varieties of vegetables, you have not been taking full advantage of one of Nature's greatest blessings. Most gardens that will grow a half-dozen kinds will grow twenty with only a little more work and virtually no added expense. The Pakro Home-Garden Collection contains twenty different and distinct kinds of vegetables, and, in some instances, several varieties of the different kinds. If planted at proper time and given ordinary care and attention, it will provide a bounteous supply of vegetables for a medium-sized family all summer long. We send it postpaid anywhere in the United States for \$2. If purchased separately the cost would be \$3.

1/4lb. Beans, Bountiful.
1/4lb. Beans, Refugee Wax.
1/4lb. Beans, Burpee's Bush Lima.
1 pkt. Beet, Extra-Early Egyptian.
1 pkt. Cabbage, Jersey Wakefield.
1 pkt. Cabbage, Flat Dutch.
1 pkt. Carrot, Chantenay.
1/4lb. Corn, Golden Bantam.
1 pkt. Cucumber, White Spine.
1 pkt. Kohlrabi, White Vienna.
1 pkt. Lettuce, Big Boston.
1 pkt. Lettuce, Black-seeded Simpson.
1 pkt. Onion, Prizetaker.

1 pkt. Onion, White Portugal.
1 pkt. Parsley, Double Curled.
1/4lb. Peas, Earliest of All.
1/4lb. Peas, Telephone.
1 pkt. Pepper, Large Bell.
1 pkt. Radish, Scarlet White-Tip.
1 pkt. Radish, Icicle.
1 pkt. Spinach, Long-standing.
1 pkt. Squash, White Bush.
1 pkt. Swiss Chard, Silver Leaf.
1 pkt. Tomato, Beauty.
1 pkt. Turnip, Early White Milan.
1 pkt. Turnip, Strap-Leaf.

\$1.75 SMALL GARDEN COLLECTION **\$1.00**

VALUE 16 Varieties of Vegetables POSTPAID

This great big Dollar Collection will make your dollar worth a full 100 cents instead of merely 67 as claimed by the economic experts. It contains seed enough to supply a small family with fresh vegetables all summer long, and we send it postpaid anywhere in the United States for \$1. If purchased separately the cost would be \$1.75.

1/4lb. Beans, Extra-Early Refugee.
1 pkt. Beet, Extra-Early Egyptian.
1 pkt. Cabbage, All Seasons.
1 pkt. Carrot, Chantenay.
1/4lb. Sweet Corn, Country Gentleman.
1 pkt. Kale, Dwarf Curled Scotch.
1 pkt. Kohlrabi, White Vienna.
1 pkt. Lettuce, Salamander.

1 pkt. Lettuce, Trianon Cos.
1 pkt. Onion, Prizetaker.
1 pkt. Parsley, Double Curled.
1/4lb. Peas, Little Gem.
1 pkt. Radish, French Breakfast.
1 pkt. Swiss Chard, Silver-Leaf.
1 pkt. Tomato, Earliana.
1 pkt. Turnip, Early White Milan.

4 EACH OF BEST 6 Gladioli

Collection for \$2.50

We will send 4 fine large bulbs of each of the following magnificent Gladioli: **America** (pink), **Mrs. Francis King** (flame-pink), **Schwaben** (yellow), **Peace** (white), **War** (red), and **Baron J. Hulot** (purple) anywhere in the United States, charges prepaid, for \$2.50.

Two each of the above 6 best varieties for \$1.25, charges prepaid anywhere in U. S.

4 Best Tea Roses

Collection for \$2.50

Just the collection with which to start a Rose-garden or to replace some of the old ones that have seen their best days. Two-year-old field-grown nursery stock.

Columbia. Rich pink.
Ophelia. True Tea Rose color.
Premier. Deep pink.
Sunburst. Yellow.

Sent by express, charges collect. Packing free

PAKRO COLLECTIONS SAVE TIME AND MONEY

COLLECTIONS

Flowers

AND FLOWER SEEDS FOR EVERY GARDEN

Pakro Easy-to-Order Flower Seed Collections are arranged so as to give everyone an opportunity to add flowers to their homes at a minimum cost. There is a collection for those who prefer their flowers in the outdoor bed, another for those who like cut-flowers, and still others for those who prefer the "old-fashioned" and "everlasting" flowers. Take your choice, or, if you have room, try several, and increase your garden joy that many times. The prices are as low as *good* flower seeds can be sold for anywhere.

\$1⁵⁰ **"All Summer" Flower Collection** **\$1⁰⁰**

VALUE

15 full-sized pkts. of Summer-Flowering Annuals

POSTPAID

A complete assortment of tall and dwarf bedding sorts, including those best for cutting. Bloom continually from early summer to frost.

Alyssum
Aster
Calendula
Cosmos

Larkspur
Marigold, Dwarf
Marigold, Tall
Nasturtium, Tall

Nasturtium, Dwarf
Poppy, California
Poppy, Shirley
Scabiosa

Snapdragon
Sweet Peas
Zinnia

\$1⁵⁰ **"CUT-FLOWER" COLLECTION** **\$1⁰⁰**

VALUE

15 full-sized pkts. of Best Annuals for Cutting

POSTPAID

Fifteen annuals that will give the most cut-flowers during the entire summer and fall. All are long-stemmed and last well in water. Varieties included are as follows:

Arctotis grandis
Aster, Early
Aster, Late
Bachelor's Button

Calendula
Calliopsis
Cosmos
Larkspur

Marigold, Tall
Nasturtium
Scabiosa
Snapdragon

Sunflower, Single
Sweet Peas
Zinnia, Giant

"Old-Fashioned" Garden Collection 50 cts.

7 full-sized pkts. of Old-Fashioned Favorites
FOR 50 CTS., postpaid

Why not have an "old-fashioned" corner in your flower-garden and devote it to growing the flowers that our grandmothers grew and cared for? One packet each:

Aster	Mignonette	Zinnia
Balsam	Pinks	
Calendula	Scabiosa	

"Everlasting" Collection 30 cts.

4 full-sized pkts. of Finest Everlasting Flowers
FOR 30 CTS., postpaid

Have cut-flowers all winter by growing these charming Everlastings. All of them, if cut in the bud state, will keep well through the winter. One packet each of following:

Acroclinium	Gomphrena
Celosia Childsii	Helichrysum

Dwarf Bedding Flower Collection 50 cts.

7 full-sized pkts. of Best Dwarf Bedding Flowers
FOR 50 CTS., postpaid

Although listed as "Dwarf Bedding Flowers," these seven easily grown annuals are equally valuable for porch- and window-boxes and as edgings for taller-growing sorts. Collection includes one packet each of following:

Ageratum	Petunia	Verbena
Alyssum	Portulaca	
Lobelia	Poppy, California	

Tall Bedding Collection 50 cts.

7 full-sized pkts. of Best Tall Bedding Flowers
FOR 50 CTS., postpaid

This assortment, while making the finest beds, will also supply a large quantity of cut-flowers and includes one packet each of following:

Aster	Phlox	Scabiosa
Balsam	Poppy, Shirley	
Larkspur	Salvia	

A HARDY PERENNIAL GARDEN FOR \$1, POSTPAID

Grow your own Hardy Perennials. It is easy with many varieties, providing you start with good seed. Pakro seed is the best to be had, and we have especially selected the ten following varieties as the easiest to grow.

Aquilegia
Bellis perennis
Campanula

Coreopsis
Delphinium
Digitalis

Gaillardia
Hollyhock

Oriental Poppy
Shasta Daisy

If purchased separately, these packets would cost \$1.90. To induce more flower-lovers to plant Hardy Perennials, we offer the complete collection, at special price of \$1, postpaid.

THEY'RE EASY-TO-ORDER AND EASY-TO-GROW

\$25 Cash for Pakro Prize Garden

We are pleased to use this space to print a chart and full details concerning the Pakro Prize Family Garden, worked out in the Pakro Trial Grounds at Madison, N. J., last season, and which supplied an abundance of vegetables for a family of four every day from June 1 to October 1, in addition to cut-flowers all season long.

Although all this was accomplished in a comparatively small space and at a minimum cost in labor and money, we are sure that there are many among Pakro gardeners who can improve upon our results, and we will award a **cash prize of \$25** to the Pakro customer who will send us the best letter telling of results obtained from their 1924 garden of approximately the same size, together with a chart of same.

Varieties other than those listed on this page may be used, and the shape of the garden may be varied to meet local conditions.

All letters and charts should be addressed to "Pakro Prize Garden Contest," in care of American Seed & Seedtape Company, Madison, N. J., and should be sent so as to reach us not later than October 1, 1924. The award will be made and prize paid as soon thereafter as it is possible for the judges to reach a decision.

In addition to the cash prize of \$25 we will send to each of the three customers whose letters and charts are judged next in merit to the First Prize-winner, a due bill good for \$5 worth of Pakro Vegetable and Flower seeds of their own selection.

Zinnia, Giant Double Mixed. 5 seeds at end of each row.	Annual Larkspur, Mixed.	Marigold, African Double Mixed. 5 seeds end of each row.
	Peas, Earliest of All. Followed with Howling Mob Sweet Corn.	
	Peas, Blue Bantam. Followed with Howling Mob Sweet Corn.	
	Beets, Crosby's Egyptian. Followed with Danish Ballhead Cabbage.	
	Onion Sets, Red. Intersowed with Yellow Globe Danvers Onions.	
	Spinach, Victoria. Followed with June Pink Tomato.	
	Radish, Scarlet Turnip White-Tip. Two plantings, two weeks apart.	
	Lettuce, Mignonette. Followed with Golden Wax Beans: 5 feet of Parsley at end of row.	
	Kohlrabi, White Vienna (½ row). Carrot, Chantenay (½ row). Followed with New York Lettuce.	
	Beans, Bountiful. Two plantings, two weeks apart. First planting Bountiful Beans followed with Detroit Dark Red Beets.	
	Bush Lima Beans, Burpee's.	
	Bush Lima Beans, Burpee's.	
	Sweet Corn, Golden Bantam. Two plantings, two weeks apart. Interplant Early Fortune Cucumber.	
	Sweet Corn, Golden Bantam. Two plantings, two weeks apart. Interplant Crookneck Squash.	
	Scabiosa, Double Mixed.	

Size 30 x 50 feet. Rows run the long way and are 2 feet apart, with the Scabiosa and Larkspur 1 foot from the ends.

Seeds for Prize Garden Delivered to You for \$5

We offer a collection containing the exact amount of seed used at the PAKRO Trial-Grounds, including the flowers, at a special price of \$5, delivered postpaid to your door. The fertilizers and insecticides (100 lbs. Sheep Manure, 25 lbs. Bone Meal, 1 lb. Axfixo, 1 lb. Slug Shot, and 1 lb. Vaporkil) will also be supplied via express, charges collect, for \$5.

Seeds Used

Beans, one pound each Bountiful, Burpee's Bush Lima, and Golden Wax.

Corn, one pound each Golden Bantam and Howling Mob.

Peas, one pound each Blue Bantam and Earliest of All.

Cabbage, Danish Ballhead; **Carrot**, Chantenay; **Cucumber**, Early Fortune; **Kohlrabi**, White Vienna; **Lettuce**, New York; **Parsley**, Double Curled; **Squash**, Crookneck; **Tomato**, June Pink; one packet of each.

Lettuce, Mignonette and **Radish**, Scarlet Turnip White-Tip—2 packets of each.

Onion Sets, Red. One quart.

Beet, Crosby's Egyptian and **Beet**, Detroit Dark Red; **Onion**, Yellow Globe Danvers; **Spinach**, Victoria—1 ounce each.

Flower Seeds

Larkspur, Double Mixed, ¼ oz.; **Scabiosa**, Double Mixed, ¼ oz.; **Marigold**, African Double Mixed, 1 pkt.; **Zinnia**, Giant Double Mixed, 1 pkt.

In making up your own plan, other varieties may, of course, be substituted and varieties not wanted left out.

Fertilizer Used. One bag of Sheep Manure and 25 pounds of Bone Meal. Bugs were killed with Vaporkil, Slug Shot, and Axfixo.

A GOOD HOME GARDEN WILL CUT STORE BILLS

Choicest Vegetables for Your Garden

The cultural directions given in this book are for growing vegetables in latitude of Madison, N. J. (same as New York City). Persons living in a more southern latitude should start earlier and those living farther north correspondingly later.

All Pakro Vegetable and Flower Seeds are listed alphabetically, making ordering easy

Asparagus

An ounce will grow 100 feet of row

From Seed. Sow in drills $\frac{3}{4}$ inch deep, when frost is out of ground. Thin out to 2 inches between plants. The following spring, dig roots and transplant to bed as directed below.

From Roots. Dig trenches 9 inches wide, 12 to 18 inches deep. Apply bone meal to bottom of trench, about a handful to a yard, and cover lightly with soil. Place roots in bottom of trench, roots spread out, and cover with 2 inches of soil. As the shoots come up, pull in more soil from the sides until bed is level. Light cuttings may be made the third year from planting, and at no time should cutting be made after first peas are picked. When the stalks turn brown in fall, cut, rake off bed, and burn. A bed 10 by 20 feet is ample for a family of four.

Palmetto. Large, green stalks; very early. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts.

Argenteuil. Blue- or purple-tinged stalks. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts.

WASHINGTON. New rustproof variety, with green stalks. The very best Asparagus. Pkt. 20 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.75.

Asparagus Roots

Especially selected 2-year-old roots.

	Doz.	100	1,000
Argenteuil.....	\$0 40	\$2 00	\$17 00
Palmetto.....	40	2 00	17 00
Washington.....	50	3 00	20 00

All Asparagus roots shipped via express, charges collect.



Washington Asparagus

**INOCULATE THIS
SEED WITH
FARMOGERM**

Dwarf or Bush Beans

One pound will grow 50 feet of row

Bush Beans produce more food per square foot than any other vegetable and are one of the easiest to grow. Any soil will do but, of course, the better the soil the better the Beans. Plant as soon as weather has become settled (when the Maples start to leaf), in drills 2 inches deep. Sow thinly, and when 4 inches high, thin out to stand 6 to 10 inches apart. **For succession sow every two weeks up to the end of August.** Keeping the Beans picked will lengthen the period of their productiveness.

Black Valentine. One of the **earliest**, hardiest, and best yielding of the green Snap Beans. Pods are round, 6 inches long, and very straight. Quality when young is excellent. A good shipper. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75.

BOUNTIFUL. One of the most popular green Snap Beans; **very early** and extremely hardy. Pods are 6 to 7 inches long, flat, nearly straight and of a light green color. Flesh is tender, meaty, and entirely free from fiber or strings. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75.

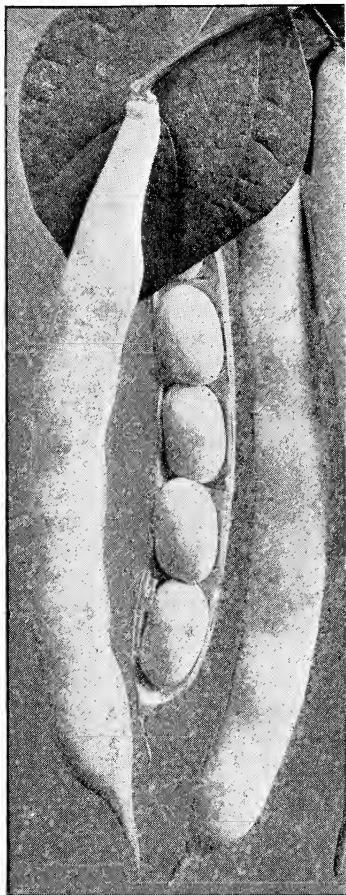
BURPEE'S STRINGLESS GREEN-POD. Earliest and best round-podded green Bush Bean. Plants are large and bushy, with dark green foliage. Pods are round, 5 inches long, absolutely stringless, and, all in all, it is a

perfect green Bush Bean for either the home- or market-garden. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75.

Extra-Early Red Valentine. An extra early round-podded sort. Pods are $4\frac{1}{2}$ to 5 inches long, dark green, and of fine quality. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75.

Extra-Early Refugee. Color and size of pod same as Refugee, as productive, and about a week earlier. Plant Extra-Early Refugee and Late Refugee at same time for succession. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75.

GIANT STRINGLESS GREEN-POD. A late variety, quite similar to Burpee's Stringless Green-Pod, with pods 6 inches long, round, dark green, and absolutely free from strings or fiber. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75.



Brittle Wax Bush Beans

Inoculate this
Seed with
FARMOGERM

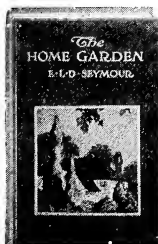
Pole and Field Beans

One pound will grow 50 feet of row

KENTUCKY WONDER (OLD HOMESTEAD). An old-time favorite, and no newer sort has been found which can take its place. Pods, when matured, are 8 to 9 inches long, slender, round, and curved. When not too old, they are perfectly stringless, free from fiber, and of the best flavor $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

GOLDEN CLUSTER WAX. The best yellow or wax Pole Bean. Very prolific. Pods are flat, bright yellow, and 7 to 8 inches long. $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

White Navy (Boston Pea) Bean. This is the small, pure white, nearly round Bean used for baking. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 35 cts., 5 lbs. \$1.60.



"The Home Garden" Free with Orders

Here is a real garden book, beautifully illustrated and substantially bound in stiff covers—the kind of a book that you will be delighted to add to your library. *It is not a catalogue*, but designed to help you get a maximum amount of pleasure out of your garden effort. This book is too costly to be distributed indiscriminately, but we will send a copy *free* with each order of seeds and plants selected from the Pakro Garden Guide amounting to \$2 or more. This offer does not include "Money-Saving" collections on pages 14 and 15.

If ordered separately, the price of "The Home Garden" is \$1, postpaid

Dwarf or Bush Beans, continued

Refugee (1,000-to-1). The best **main-crop** green Snap Bean. Pods are $5\frac{1}{2}$ inches long, round, light green, and slightly curved. Flesh very tender and meaty and without strings or fiber. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75.

SUTTON'S MASTERPIECE. (Forcing Bean.) The best green Snap Bean for forcing, either in frames or greenhouse. **Early** and prolific. Pods 7 inches long, flat and straight, inclined to be stringy when grown outdoors. $\frac{1}{4}$ lb. 25 cts., $\frac{1}{2}$ lb. 40 cts., lb. 60 cts., 5 lbs. \$2.50.

BRITTLE WAX. **Early**, productive, hardy, and of excellent flavor. Pods are round, fleshy, 7 inches long, and slightly curved. Always stringless and tender. $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 35 cts., lb. 50 cts., 5 lbs. \$2.25.

Hodson Wax. Plants are of very vigorous growth, often $2\frac{1}{2}$ feet in height. They bear a profusion of long, flat, slightly curved, creamy yellow pods, which, if picked before they are too old, are free from strings or fiber. An excellent **late** or main-crop variety. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75.

Pencil-Pod Black Wax. We consider this the best **early** round Wax Bean for general use. Plants are strong and vigorous, with dark green foliage. Pods are $6\frac{1}{2}$ to 7 inches long, straight, round, pure clear yellow in color—and entirely free from strings or fiber. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

REFUGEE WAX. Same season, same growth, and as productive as Refugee, or 1,000-to-1, but pods are rich yellow color instead of green. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40c., 5 lbs. \$1.75.

Rustproof Golden Wax. **Early**, flat-podded variety. Pods are golden yellow, thick and meaty. It is as rustproof as it is possible for a Wax Bean to be. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

Inoculate your Beans with Farmogerm for Best Results.
See page 58.

Succession Collection of Bush Beans

Four selected varieties that if planted at the same time will mature in the order named, thus assuring a continuous supply.

BOUNTIFUL, GIANT STRINGLESS, GOLDEN WAX, REFUGEE

COLLECTION, $\frac{1}{4}$ LB. EACH OF ABOVE, 50 CTS.

COLLECTION, $\frac{1}{2}$ LB. EACH OF ABOVE, 85 CTS.

COLLECTION, 1 LB. EACH OF ABOVE, \$1.50

Lima Beans

One pound of seed will grow 50 feet of row

Lima Beans are one of the most satisfactory and health-promoting vegetables to grow for summer and fall. Their food value is equal to twice that of milk. Fifty poles of Pole Limas, or a 100-foot row of Bush Limas should be sufficient for a family of five. Seeds are quite tender and rot quickly in wet, cold weather, therefore it is best not to plant until the weather has become thoroughly settled. Plant about $1\frac{1}{2}$ inches deep, eye of Bean down, six or eight Beans to a pole. Bush Limas should be planted 4 inches apart. Thin the Pole Limas out later to three plants to a pole, and the Bush Limas to at least 1 foot apart. Use *Bordeaux Mixture* as a preventative for mildew, which appears in August and September. See page 58.

Pole Varieties

EARLY LEVIATHAN. An extra-early variety. Pods are borne in clusters of from six to eight, making them very easy to pick. Pods are from 5 to 6 inches long and contain five large, flat Beans. Flavor is sweet and buttery. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

CHALLENGER. Somewhat later than Early Leviathan. Pods are borne in clusters, are about 4 inches long, and usually contain four rather thick, round-shaped Beans. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75.

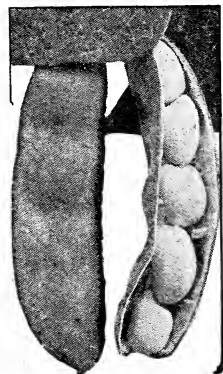
Giant-Podded. New, very large-podded midseason variety. Pods usually 7 inches long containing five or six large, flat Beans, and are borne in clusters. Flavor very sweet and buttery. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 35 cts., lb. 55 cts., 5 lbs. \$2.50.

King of the Garden. All that the name implies. A late, strong, vigorous grower and a prodigious yielder. Pods 4 to 5 inches long and uniformly four-seeded, the Beans being flat and of the very best quality. Easy to pick, easy to shell, and easy to eat. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Bush Varieties

Bush Lima Beans are fully two weeks earlier than the pole varieties and may be used either in conjunction with Pole Limas or by themselves. If only Bush Limas are planted, it is well to make a second planting in three weeks for succession. Plant same time as Pole Limas, in drills 2 inches deep, eye down, 4 inches apart. Thin out when 6 inches tall to 1 foot apart.

Burpee's. The midseason Bush Lima. Dwarf, slightly spreading growth, about $1\frac{1}{2}$ feet in height; very productive. Pods average 4 inches in length and contain three or four large, flat Beans of excellent quality. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.



Burpee's Bush Lima

BURPEE'S IMPROVED. A thick-beaned type of Burpee's, slightly earlier and more prolific. Pods are borne in clusters of five to eight, and are 5 to 6 inches long, usually containing five rather thick Beans. A very vigorous grower; should be planted $1\frac{1}{2}$ to 2 feet apart in row. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Fordhook. Stock very short; order early. This variety has been a prime favorite ever since it was introduced. Pods, borne in clusters, are from 4 to 5 inches long and contain four to five plump Beans of excellent quality. Seeds are quite hardy and may be planted somewhat earlier than the pole varieties. Matures later than other Bush Limas. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 35 cts., lb. 55 cts., 5 lbs. \$2.50.

Henderson's. The ideal Lima Bean for northern sections where the season is short, as it is a week to ten days earlier than Burpee's or Fordhook. Plants are of true bush form and bear a profusion of pods containing three or four small, flat, light green Beans, very tender and sweet. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.



Giant-Podded Pole Lima

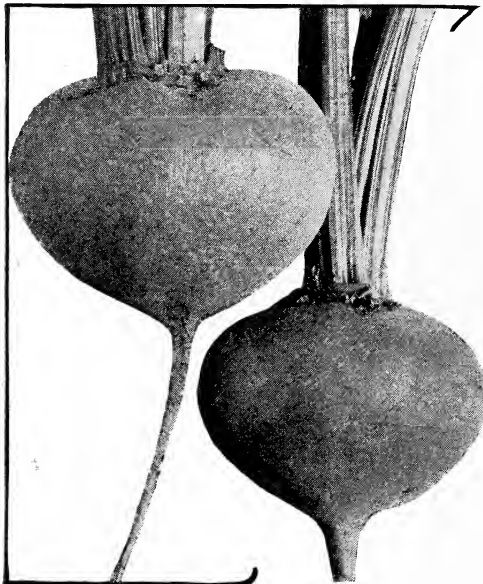
The Lima Beans were wonderful last year. FRED W. SCHULTZ, 5363 Lawrence Ave., Chicago, Ills.

ALL VEGETABLE SEEDS SENT POSTPAID AT PRICES LISTED

Beets

*An ounce will grow
50 feet of row*

Beets rank second to Bush Beans in food value, productiveness, and easiness to grow. The seed may be planted just as soon as the ground can be worked into a fine loosened condition. Sow in drills $\frac{1}{2}$ inch deep and be sure to firm the soil down over the seeds. Thin out to 2 inches apart as soon as practicable. Plantings should be made every two weeks to insure a constant supply of young roots. Beets are sweetest and tenderest when from 1 to 2 inches in diameter.



Crosby's Egyptian Beets

SPECIAL BEET OFFER: One packet of any 3 of the above Beets sent postpaid for 25 cts.

Crimson Globe. Matures **later** than Extra-Early Egyptian but keeps its flavor for a longer time. Flesh is rich crimson color, fine-grained, tender, and sweet. Pkt. 10c., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 5 lbs. \$7.

DETROIT DARK RED. One of the best late sorts for the home-garden. Roots are globular, uniform, and smooth. Skin is dark red and flesh a rich blood-color. Tops are small and greenish red in color. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 5 lbs. \$7.

Extra-Early Egyptian. The best extra-early Beet. The flat turnip-shaped roots mature quickly. Flesh is bright crimson and very tender. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, 5 lbs. \$5.65.

Crosby's Egyptian. A very early selection of Early Egyptian but a little smaller and more round. Foliage rather sparse, so that the Beets may be left closer in the row. Flesh is deep blood-red and very tender and sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.35, 5 lbs. \$6.25.

PAKRO HALF-LONG SMOOTH BLOOD. Maturing **midseason** this is the best of the long or half-long varieties. Roots are rather oval in shape. Flesh is deep maroon-red, with no lighter markings, and very sweet and tender at all stages of growth. One of the best for winter use. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, 5 lbs. \$5.65.

Mangel Beets

An ounce will grow 100 feet of row

Mangel Beets are excellent for cattle and chickens during the winter when other green food is not available. Same cultural directions as for table Beets except that they should be thinned out to stand 8 to 10 inches apart.

Golden Tankard. Roots are large and nearly cylindrical in shape. Skin deep orange and flesh yellow, zoned yellow and white. Oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. 95 cts., 5 lbs. \$4.25.

Half Sugar Rose. Roots are large and oval in shape. Flesh is white and has a higher percentage of sugar than the ordinary Mangel. Oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 80 cts., 5 lbs. \$3.50.

MAMMOTH LONG RED. Roots 15 to 18 inches long and 6 to 8 inches in diameter. Flesh is bright red and solid. Grows one-half above the ground and is easily harvested. Oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1, 5 lbs. \$4.50.

MANGEL BEETS IN SEEDTAPE.

Any of the above varieties, 1,000 ft. \$1.65, 5,000 ft. \$7.50, 10,000 ft. \$14, by express at customer's expense. Note, we cannot fill orders for less than 1,000 feet. See page 60 for complete information.

Broccoli

A half-ounce will grow 100 feet of row

PURPLE CAPE. Similar to cauliflower but harder and so may be grown when cauliflower fails. Purple Cape is the best variety. Heads are a light purple color and of excellent quality. Culture is the same as for cauliflower. Pkt. 20 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50, lb. \$10.

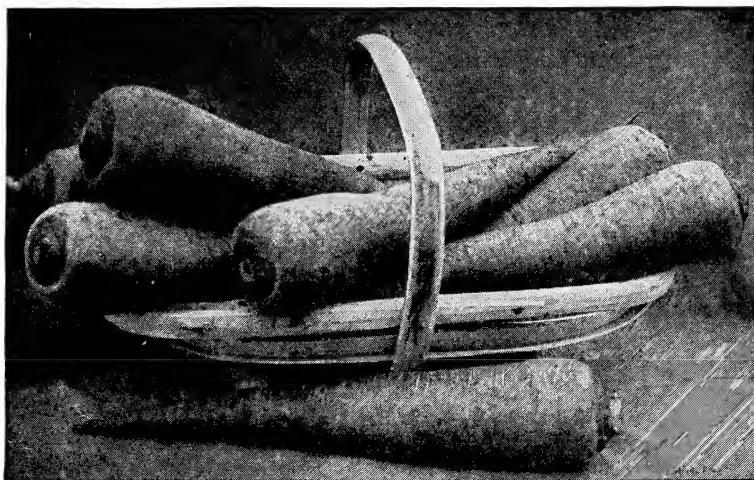
I have had excellent results in the past from your seed.—REV. JOHN W. CARR, Lima, Ohio.

Brussels Sprouts

A half-ounce will grow 100 feet of row

Long Island Improved. These miniature heads of cabbage rank with cauliflower as being the most tasty members of the cabbage family. The leaves are like a cabbage but high on the stalk, and small, tightly folded sprouts are borne along the stem. Very easy to pick and clean, and when cooked make a dish fit for a king. For cultural instructions see Cabbage. Pkt. 10c., oz. 45c., $\frac{1}{4}$ lb. \$1.30, lb. \$4.

FULL CULTURAL DIRECTIONS ON EACH PACKET OF PAKRO SEEDS



Improved Long Orange Carrots

Carrots *An ounce will grow 100 feet of row*

There is nothing quite so delicious and healthful as tender, early, spring Carrots creamed. Sow as early as the ground can be worked into a fine condition, in drills $\frac{1}{2}$ inch deep. Thin out to stand 1 inch apart. Successive sowings should be made to insure a constant supply of small roots, as Carrots are more sweet and tender when quite small.



Chantenay Carrot

CHANTENAY. Matures **early** and at the same time remains tender and sweet for a long time. Roots are about 4 to 5 inches long and 2 to 2½ inches in diameter. Pkt. 10 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.35, 5 lbs. \$6.25.

Danvers Half-Long. This **midseason** variety, matures about two weeks later than Chantenay. Roots are 2 to 2½ inches in diameter and 5 to 6 inches long. Gives very large crop from small plot of ground. Pkt. 10 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.25, 5 lbs. \$5.65.

PAKRO FRENCH FORCING. The **earliest** Carrot. Leaves very small. Roots are almost round, 2½ inches in diameter, and of orange-red color. Finest quality for table use. Pkt. 15 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50, 5 lbs. \$7.

IMPROVED LONG ORANGE. An excellent **late** Carrot for deep soils or for show purposes. Roots 1 foot long, about 3 inches across crown, and tapering gradually to point. Quality and flavor excellent. Pkt. 10 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.25, 5 lbs. \$5.65.

Oxheart, or Guerande. An excellent **all-season** variety for growing in stiff, hard soils. Roots short and blunt, 3 to 4 inches in diameter, and about 3½ inches long. Tops are small. Pkt. 10 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.25, 5 lbs. \$5.65.

SPECIAL CARROT OFFER. One packet each of any 3 of the above Carrots postpaid for 25 cts.

INFORMATION

How many times have you regretted not marking the different varieties at time of planting? Much can be put on small Wood Labels, such as variety, date planted, etc. See page 59.

Brussels Sprouts
See page 20

Cabbage

A half-ounce will grow 100 feet of row

Cabbage is so easy to grow and so useful that every garden should have thirty to forty heads each of an early and late variety. For early Cabbage, sow indoors or in a hotbed in February. Drills should be $\frac{1}{4}$ inch deep. When large enough to handle, prick out to stand 3 inches apart each way. If care is taken to harden off the plants by letting them have more and more of the cool air, they may be transplanted to the garden as soon as the ground can be worked. For fall and winter Cabbage, sow seed in May or early June. Early Cabbage need only be 15 to 18 inches apart, while the late varieties should be at least 2 feet apart in the row. Cabbage worms are easily kept in check by the use of Slug Shot, Bug Death, or Axfixo. See page 58.



Copenhagen Market Cabbage

EARLY JERSEY WAKEFIELD. Heads are pyramidal, and when young are as tasty as cauliflower. Have few outside leaves and so can be planted comparatively close together. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$4.

All Seasons. The best all-seasons Cabbage. Heads are large, round, and perfectly solid. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.75.

Premium Flat Dutch. The standard late sort for winter storing. Heads are round, flat, and very solid. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.75.

COPENHAGEN MARKET. The best early round-headed variety, as it stands for a long time without bursting. Heads are round, solid, and have few outer leaves, so that it may be planted fairly close in the row. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.

SELECTED DRUMHEAD SAVOY. Cabbage may be Cabbage, but still there is a difference in flavor—and Drumhead Savoy can only be compared to Cabbage in flavor in that it tastes something like Cabbage but in the same manner that cauliflower and brussels sprouts taste like Cabbage. Heads are round, solid, and keep well through the winter. Leaves are finely crumpled. Matures late. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$5.50.

Short-Stemmed Danish Ballhead. The hardest-heading and best-keeping late or winter Cabbage. Heads absolutely round, hard, and very solid. Pakro strain is the finest to be had. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.45, lb. \$4.25.

MAMMOTH ROCK RED. The best red Cabbage. Large and sure-heading. Retains its deep red color practically to the heart. A late variety. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.45, lb. \$4.25.

Chinese Cabbage, Pe-Tsai. In appearance resembles cos lettuce. Leaves light yellowish green and tightly folded. Can be used as a salad or boiled like Cabbage. In this latitude it is best planted in August for late fall greens. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$5.50.

Succession Cabbage Collection

Containing one packet each of Early Jersey Wakefield, early; All Seasons, midseason; Premium Flat Dutch, late or main-crop, all for 25 cts., postpaid.

Cabbage Plants

NORTHERN-GROWN TRANSPLANTED. These strong, frame-grown plants will be ready about May 10. Varieties: Early Jersey Wakefield, Copenhagen Market, and Premium Flat Dutch. 35 cts. per doz., postpaid; \$1.50 per 100, by express, at customer's expense.

FROST-PROOF. Plants raised for us on an island just off the coast of South Carolina and can generally be delivered about April 1. They may be planted in the open ground as soon as received and will mature heads two to three weeks earlier than northern-grown plants. Plants usually look withered upon receipt, but soon revive if planted immediately. Varieties: Early Jersey Wakefield, Succession, and Early Flat Dutch. Supplied in 100 lots of each at 75 cts. per 100, \$5 per 1,000, postpaid.



Frost-Proof Cabbage Plant

The Frost-Proof Cabbage Plants are far superior to the others.—DR. EDWARD CHAPIN, Dorset, Vt.

FULL CULTURAL DIRECTIONS ON EACH PACKET OF PAKRO SEEDS

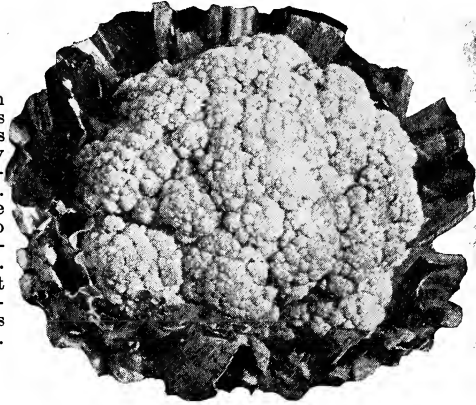
Cauliflower

A half-ounce will grow 100 feet of row

The same cultural directions as for cabbage

DWARF ERFURT. Last fall the Pakro strain of Erfurt was the only one of several varieties to produce heads suitable for show purposes in the garden of one of the largest New Jersey private estates and many of our other customers had equally good success with this variety. Heads are of good size and are creamy white in color, with just enough leaves to keep the heads well blanched; an **all-season** variety. Pkt. 20 cts., $\frac{1}{4}$ oz. \$1, oz. \$3, $\frac{1}{4}$ lb. \$9.

IMPROVED EARLY SNOWBALL. Finest early Cauliflower. Heads medium-large, compact, and pure white. Growth of entire plant is dwarf. Pkt. 25c., $\frac{1}{4}$ oz. \$1.25, oz. \$4, $\frac{1}{4}$ lb. \$12.



Improved Early Snowball Cauliflower

Cauliflower Plants

Transplanted. Ready about May 10

Dwarf Erfurt. 50 cts. per doz., postpaid; \$3 per 100 by express, at customer's expense.

Improved Early Snowball. 60 cts. per doz., postpaid; \$3.60 per 100 by express, at customer's expense.

Celery

A half-ounce will grow 100 feet of row

While Celery requires a little more care than most other vegetables, it is not difficult to grow. Seed should be sown in a finely prepared seed-bed—in February or March for early Celery and in April for winter Celery. Sow seed thinly in drills $\frac{1}{4}$ inch deep and when plants are large enough to handle transplant to their permanent bed. Plants should be set 8 to 10 inches apart in the row. Blanch with earth, boards, or paper. For best Celery, spray every ten days with Bordeaux Mixture. See page 58.

White Plume. Stalks are thick, crisp, and creamy white when blanched. One of the finest late kinds for summer or winter use. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25.

PAKRO EASY BLANCHING. The easiest blanching and finest early green Celery. Grows from 20 to 24 inches high, of uniform size. Hearts are crisp and of fine nutty flavor, and even the outer stalks are crisp, thick, and brittle. Blanches easily in ten days to two weeks. Planted late and properly stored will keep well into the winter. Pkt. 20 cts., oz. \$2, $\frac{1}{4}$ lb. \$5, lb. \$20.



Pakro Easy Blanching Celery

GOLDEN SELF-BLANCHING. As near to self-blanching as Celery can be. Plants are compact and stocky, with yellowish green stalks. Stalks solid and free from strings or fiber. Blanches easily to a clear golden yellow. Matures early. Pkt. 15 cts., oz. 80 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$7.

WINTER QUEEN. The finest winter or late variety. Medium height with broad, light green stalks. Blanches well to a clear white. An excellent keeper. Stalks crisp, solid, and free from strings. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.50.

Giant Pascal. Late. Stalks are fairly short and upright, with dark green foliage. Stalks thick and broad, blanching to yellowish white. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.50.

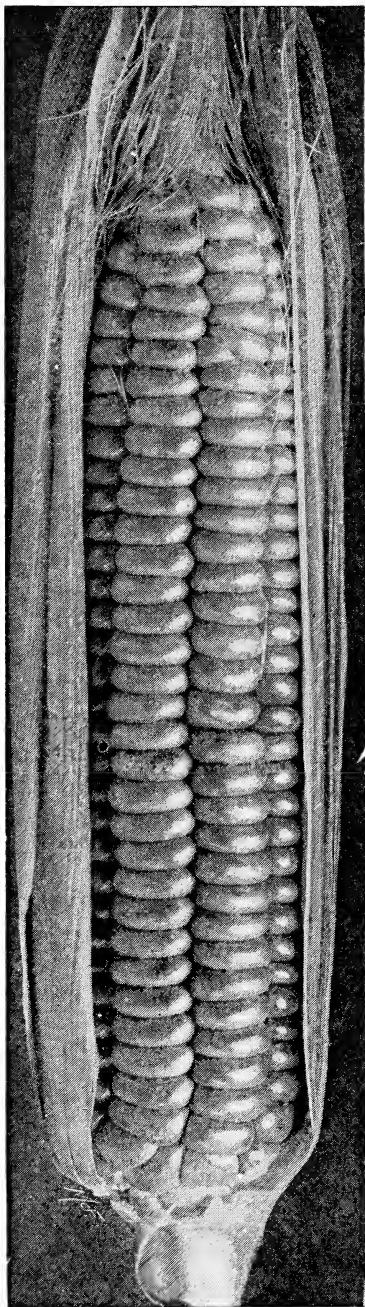
Celery Plants

Good, strong, well-rooted plants of **Golden Self-Blanching** and **White Plume**, 35 cts. per doz., postpaid; \$1.25 per 100 by express, at customer's expense.

Celeriac

An ounce will grow 100 feet of row

GIANT SMOOTH PRAGUE. A variety of Celery with large, swollen roots, like a turnip. May be grown as a Celery, but does not blanch as easily as the other varieties, and is therefore grown mostly for the roots, which are very tender and sweet when served like creamed Celery. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1, lb. \$3.



Pakro Golden Bantam Corn

CAN YOUR OWN CORN

Home-canned Corn is infinitely better than store goods. Corn that is a little old to eat makes excellent canned Corn. We'll gladly send recipe on request.

Sweet Corn

A pound will grow 100 feet of row or 150 hills

For best results, we advocate planting in blocks in rows. This insures complete pollenization of all the ears. Varieties listed on this page will follow each other in maturing, and, if planted at the same time, in sufficient quantity, will give a continuous six-weeks' supply of fresh, delicious Corn for your table. Plant, 2 to 3 inches deep, in driest part of your garden, thin to 12 to 15 inches apart, and keep well cultivated. Sweet Corn seed is tender and should not be planted until ground has become thoroughly warmed.

Black Mexican. Extra-early variety. Ears are 6 to 8 inches long. Grains broad, deep, and a light purplish color when ready to eat. We rank it second to Golden Bantam in sweetness and quality. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

GOLDEN BANTAM. The sweetest, tenderest, **earliest** and most succulent Corn we know of. Its popularity has so increased that one often finds "Golden Bantam Sweet Corn" listed on the hotel menus. Few other vegetables can claim such a distinction. Pakro strain is purest northern-grown seed. Ears are from 5 to 6 inches long and a clear golden yellow. Flavor very sweet. Very prolific, often bearing two ears to stalk. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75.

TRUE GOLDEN GIANT. Best described as a giant Golden Bantam maturing in **mid-season**. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

Howling Mob. A second-early Corn, pure white, and one of the best. Ears 8 to 10 inches long and generally 14-rowed. Grains rather broad and deep and exceptionally sweet. $\frac{1}{4}$ lb. 15c., $\frac{1}{2}$ lb. 25c., lb. 40c., 5 lbs. \$1.75.

Long Island Beauty. A very fine **late** variety, being a cross between Stowell's Evergreen and Late Mammoth. Ears are long and 12- to 14-rowed. Grains are pure white, deep, and of excellent quality. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 35 cts., 5 lbs. \$1.50.

MAMMOTH WHITE CORY. The largest-eared, **extra-early** Corn. Ears 7 to 8 inches long, 12-rowed, quite sweet, and very tender. Stalks are dwarf, about 4 feet high, and usually bear two ears. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25c., lb. 40 cts., 5 lbs. \$1.75.

Mayflower. One of the **earliest** large-eared, white Sweet Corns. Ears are 7 to 8 inches long, 10- or 12-rowed, and usually borne two to a stalk. Five to six days earlier than White Cory. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75.

Metropolitan. An exceedingly fine, **first-early**, white Sweet Corn. Ears are large (8 to 9 inches long) and are 10- or 12-rowed. $\frac{1}{4}$ lb. 15c., $\frac{1}{2}$ lb. 25c., lb. 35c. 5 lbs., \$1.50.

COUNTRY GENTLEMAN. A **main-crop** variety, ripening about eight days later than Metropolitan. Grains are plump, milky, and very tender and sweet. Very prolific, often bearing three ears to a stalk. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75.

Stowell's Evergreen. **Late** or main-crop variety, maturing about a week later than Country Gentleman. Ears are large, being 8 to 9 inches long and having 14 or 16 rows. Grains are narrow, deep, very sweet and milky. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75.

All-Season Sweet Corn Collection

Four selected varieties that follow each other in maturity so that a continuous supply is assured. In localities where Corn can be planted early (middle or end of April), we advise ordering two collections, one to plant early and other six weeks later.

GOLDEN BANTAM COUNTRY GENTLEMAN
METROPOLITAN STOWELL'S EVERGREEN

Collection, $\frac{1}{4}$ lb. of each of above..... 50 cts.
Collection, $\frac{1}{2}$ lb. of each of above..... 85 cts.
Collection, lb. of each of above..... \$1.50

FULL CULTURAL DIRECTIONS ON EACH PACKET OF PAKRO SEEDS

Cucumbers *An ounce of seed will grow 50 hills*

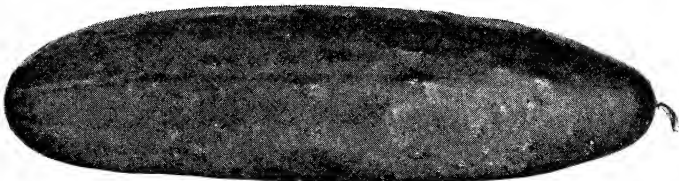
Cucumbers are indispensable for preparing salads in the summer-time as well as for making pickles for winter use, and should be in every garden. They are prolific and easy to grow. Cucumber seed should not be planted until the last week in May. Sow seed $\frac{1}{2}$ inch deep, in hills 4 feet apart each way. It is best to sow quite a number of seeds to a hill, as insect pests often attack the young plants; thin out later to the best four plants. Keep the fruit picked and lengthen the season of productiveness. Commercial growers use Axfixo to kill the beetles. See page 58.

Extra-Early White Spine.

An extra-early variety, having dark green skin and rather round, blunt fruits. Flesh is firm and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 2 lbs. \$2.80.

EARLY FORTUNE.

Early, productive, and disease-resistant. Early Fortune reaches the utmost of perfection in Cucumbers. Fruits are 9 inches long when mature and taper slightly toward the ends. Flesh pure white, of fine texture, and very crisp. Has but few seeds. Skin is a rich, dark green which does not fade in keeping or shipping. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.75, 2 lbs. \$3.30.



Early Fortune Cucumber

LONG GREEN. An excellent late variety, bearing fruits 10 to 12 inches long. Skin rich, deep green. Flesh solid and crisp. The young fruits make excellent pickles. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 2 lbs. \$3.30.

Boston Pickling. A vigorous grower and very productive. Fruits are short, smooth, and symmetrical in shape. Skin bright green. Makes fine pickles. Pkt. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 2 lbs. \$2.80.

If bothered by bugs, get a good sprayer and use it. See page 59.

Corn Salad *An ounce of seed will grow 150 feet of row*

Large Round. Corn Salad makes an excellent early fall salad when lettuce is sometimes hard to obtain. Plant seed in drills $\frac{1}{2}$ inch deep, any time up to September 1. Plants should be thinned out to stand 3 to 4 inches apart in the row. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.



Witloof Chicory

Endive

An ounce of seed will grow 200 feet of row

Endive makes an excellent and "different" salad in the cool fall months. Sow seed any time from April until July, in drills $\frac{1}{2}$ inch deep. Thin out to stand 4 to 5 inches apart. To blanch, tie the leaves together over the top, but be sure the plants are dry, as they will rot very quickly if tied up when wet.

Green Curled. Makes a dense rosette of finely curled, deeply cut green leaves; easily blanched to a creamy white by tying. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 2 lbs. \$2.80.

BROAD-LEAVED BATAVIAN. Leaves broad, rather twisted and curved and of natural, upright growth, making tying easy. They are bright, deep green, blanching easily to a pure creamy white. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60c., lb. \$1.75, 2 lbs. \$3.30.

FRENCH OR WITLOOF CHICORY. A delicious winter salad. Sow seed in June, in drills $\frac{1}{2}$ inch deep. Thin out to 3 inches apart. The plants have a long, parsnip-like root which should be lifted before heavy frost. Plant roots in dark, warm cellar or under greenhouse bench and cover with at least 3 inches of good soil. It requires about a month to produce shoots of edible size. Pkt. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25, 2 lbs. \$4.25.

Hoes or Hose

Hoes are always necessary to keep weeds out and to keep the soil loosened to conserve moisture, but when you need a Hose you need it badly. Order now from page 59.

Eggplant

One-quarter ounce will grow 100 feet of row

Start indoors or in a hotbed, in drills $\frac{1}{2}$ inch deep, in February or March. When large enough to handle, transplant to 2-inch pots or 2 inches apart in flats, and when the weather has become thoroughly settled, transplant to their permanent position in the garden.

Black Beauty. Matures early and bears throughout the season. Fruits are of large size and rich purplish black in color. Finest quality. Pkt. 15c., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.

NEW YORK IMPROVED PURPLE (SPINELESS). Plants and fruits are spineless. A very vigorous grower, producing a large number of oval, deep purple fruits of excellent quality. Comes later than Black Beauty. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.

Eggplant Plants

Ready about May 15. Transplanted plants, 75c. per doz., postpaid; \$3.75 per 100, by express, charges collect. Potted plants, by express only, \$1 per doz., \$6 per 100.

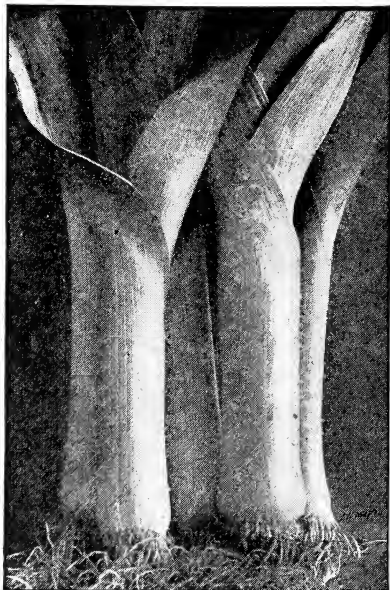
Herbs

Herbs thrive best in a rich, mellow soil. Plant early in the spring, in drills $\frac{1}{2}$ inch deep, and when large enough thin out or transplant to 15 inches apart. To cure, cut on a warm, dry day, tie in bunches and hang where they will dry quickly.

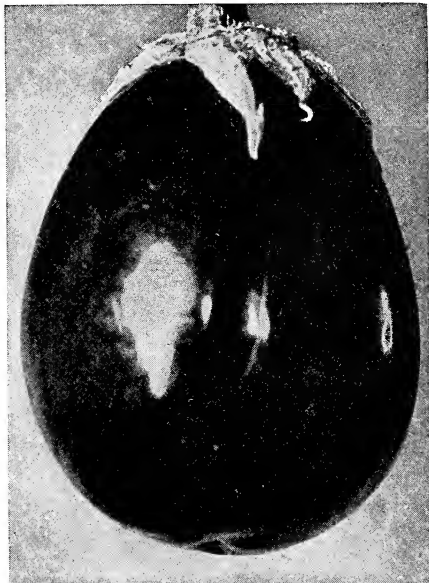
Anise. Annual. Used for garnishing and flavoring. Pkt. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Basil, Sweet. Annual. Leaves used as flavoring for soups, sauces, etc. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.

Caraway. Annual. Seeds used for flavoring. Pkt. 15c., oz. 25 cts., $\frac{1}{4}$ lb. 75c.



Pakro Giant Exhibition Leek



New York Improved Purple Eggplant

Ready about May 15. Transplanted plants, 75c. per doz., postpaid; \$3.75 per 100, by express, charges collect. Potted plants, by express only, \$1 per doz., \$6 per 100.

Catnip. Perennial. Used as a medicine. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Dill. Annual. Used for pickling cucumbers. Pkt. 15c., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Fennel, Sweet. Perennial. Used as flavoring in soups, sauces, etc. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.

Sage. Perennial. Used for flavoring. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

Savory, Winter. Perennial. Used for seasoning. Pkt. 15 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Thyme, Broad-leaved English. Peren. Leaves used for seasoning. Pkt. 15 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Kale *A half-ounce will grow 100 feet of row*

Dwarf Curled Scotch. Leaves are finely wrinkled and curled, with a taste resembling cabbage. Plant outdoors in May or June. Sow seed in drills $\frac{1}{2}$ inch deep, thinning out later to 8 to 10 inches apart. Frost will not kill Kale but will give it a better flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Kohlrabi *An ounce will grow 100 feet of row*

White Vienna. A delicious and productive member of the cabbage family. Edible part is the swollen, turnip-like stem borne just above the ground. Sow seed early in drills $\frac{1}{2}$ inch deep and thin out to stand 2 to 3 inches apart. Blanch by pulling up the soil on all sides of the plants. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.75.

Leek *An ounce will grow 100 feet of row*

Large Flag. Leek resembles the Onion without the swollen bulb at the bottom, and flavor is much milder and more pleasing. Seed may be sown at any time after the frost is out of the ground. Thin out to stand 3 inches apart. Blanch by pulling up the soil on all sides of the plants. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.

PAKRO GIANT EXHIBITION. A superb exhibition strain. Root-stalks are large, long, and easily blanched. Pkt. 20 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

FULL CULTURAL DIRECTIONS ON EACH PACKET OF PAKRO SEEDS

Lettuce

An ounce will grow 200 feet of row

Lettuce is now a year-round vegetable and unquestionably one of the most healthful as well as most popular. Seed may be sown in the open ground just as soon as soil can be worked or it may be started indoors in boxes, or in a hotbed and transplanted as soon as conditions permit. Sow thinly in drills $\frac{1}{2}$ inch deep and thin out when plants are large enough to handle, to at least 3 inches apart. To produce the finest heads leave 8 to 10 inches between plants. For midsummer Lettuce, plant between tomatoes or sweet corn. For succession, sow every three weeks during the summer.

NEW YORK, OR WONDERFUL. An extremely large-heading, crinkly leaved, **late** variety, measuring from 12 to 15 inches across and weighing as high as 3 pounds. Outer leaves are rich dark green and fold tightly over the heart, blanching it to a creamy whiteness. Withstands hot weather well and will produce splendid heads in spring, summer, or fall.

Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.50.

Early Curled Silesia. A loose-heading, very **early** variety. Leaves rather short and broad, much crumpled and fringed along the outer edges, light green in color; tender, crisp, and sweet. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

BIG BOSTON. Heads are large and round, light green outside and a golden yellow in the center. A sure header and stands long shipping well. **Matures midseason.** Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.50.

Black-seeded Simpson. **Early**, loose-heading variety. Leaves are very crumpled and blistered, forming a small head at center. Quality excellent, very sweet and crisp. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.

MAY KING. One of the finest **extra-early** varieties. Heads very compact, light green, tinged with reddish brown in color. Heart large, rich golden yellow and of finest quality. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.40.

Mignonette. One of the finest of the **very early** Lettuces. Heads small, but with a flavor that surpasses any Lettuce we know. Outside leaves deep green, with a reddish tinge at the edges—the heart creamy white. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.



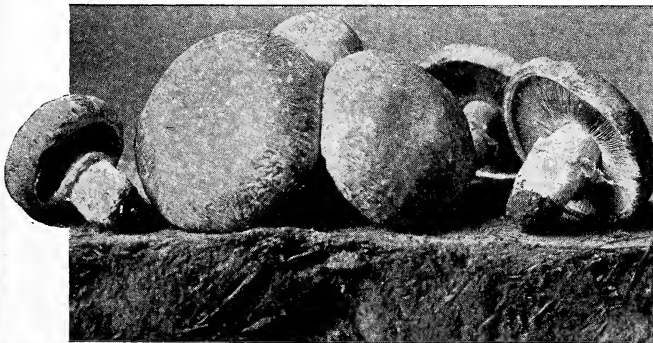
May King Lettuce

Salamander. One of the oldest varieties. Heads fairly large and solid. Outside leaves light green, inner leaves blanching. An **all-season** variety, Salamander does equally well, spring, summer, or fall. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.

Trianon Cos. Leaves of Trianon Cos are spoon-shaped. Forms well-shaped oval heads with inner leaves finely blanching. Flavor is somewhat bitter, but nevertheless pleasing. Excellent to serve with salads. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Lettuce Has New Medicinal Value

It has recently been discovered that Lettuce leaves contain glucokinase, a substance very similar to insulin, which may, according to authorities, prove "even more valuable in the cure of diabetes."



Pure Culture Mushroom Spawn

Mushroom Spawn

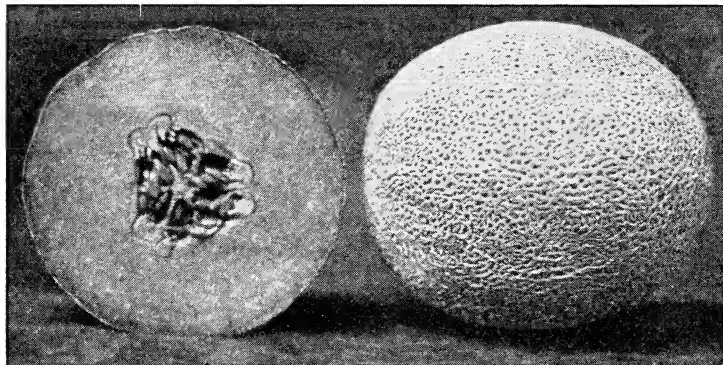
A brick will spawn 10 square feet

PURE AMERICAN CULTURE SPAWN in bricks from the oldest grower of Mushroom Spawn in this country. It grows larger, finer Mushrooms than the English variety. We receive shipments at frequent intervals, so that our Spawn is always fresh and sure to grow. *Cultural instructions sent with order.* Brick 35c., 10 bricks \$3, 100 bricks \$24, shipping charges prepaid.

ALL VEGETABLE SEEDS SENT POSTPAID AT PRICES LISTED

Muskmelon *An ounce will grow 50 hills*

No hotel melon is ever so sweet and tasty as a vine-ripened one picked fresh from your own garden. Plant seeds $\frac{1}{2}$ inch deep, in hills 4 feet apart each way, when all danger from frost is past.



Edward's Perfecto Muskmelon

EDWARD'S PERFECTO. The fruits are very heavily netted light gray and the outside skin is tough. Flesh is firm and a rich salmon color almost to the rind and the seed cavity is so small that it can be covered with a silver dollar. Fruits are uniform in size and shape, maturing **late**; vines extra heavy and disease-resistant. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.50.

EMERALD GEM. Skin is rich dark green, slightly netted. The flesh is salmon colored, sweet, juicy, and very tender. One of the **earliest** melons to ripen. Pkt. 10 cts., oz. 20c., $\frac{1}{4}$ lb. 55 cts., lb. \$1.65.

Fordhook. A **late** medium-sized round melon, flattened at the ends, ribbed and heavily netted. Flesh orange-yellow and very sweet. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.

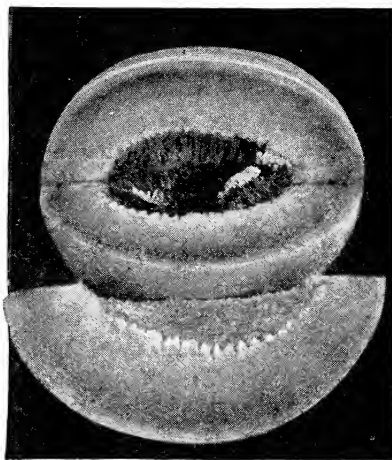
Extra-Early Hackensack. Fruits are heavily netted, ribbed and flattened at the ends. The melons are large in size, often weighing five to six pounds. Flesh is sweet and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.60.

Rocky Ford. An oblong, **late** or main-crop melon. Flesh is green and exceedingly sweet and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60c., lb. \$1.75.

HONEY DEW MELON. An excellent melon for fall and early winter use. Oval in shape and thick skinned, so that they can be laid away for winter use. Flesh is sweet, with a fine honey-

Honey Dew Melon, continued

like flavor. Does best when grown south of Pennsylvania. Can be grown successfully farther north by starting the seeds indoors and transplanting after danger from frost is past. Pkt. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.



Honey Dew Melon

Mustard *An ounce will grow 100 feet of row*

Southern Curled. Sow June or July, in drills $\frac{1}{2}$ inch deep. Delicious as summer or fall greens. Leaves large, light green, and very crumpled and fringed at the edges. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Okra *An ounce will grow 30 feet of row*

A southern favorite and one of the most delicious summer vegetables. Sow seed in drills 1 inch deep as soon as the ground has become thoroughly warmed. Thin out to 8 or 10 inches apart

White Velvet. White Velvet pods are round and smooth, extremely tender, and abundantly produced. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1, 2 lbs. \$1.90.

Perkins' Long Pod. Pods are 4 to 5 inches long, slender, and deep green in color. Very vigorous and productive. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1, 2 lbs. \$1.90.



White Velvet Okra

FULL CULTURAL DIRECTIONS ON EACH PACKET OF PAKRO SEEDS

Onion *An ounce will grow 100 feet of row*

The Onion is another all-year-round vegetable, so easy to grow and keep that it is remarkable everybody does not realize that a year's supply can be grown in the home garden. Onions are not difficult to grow from seed, and although sets are handy to plant for spring scallions, Onions produced from sets do not keep nearly so well as those produced from seeds and do not have so fine a flavor. Sow as early in the spring as the ground can be worked into a fine, loose condition, in drills not more than $\frac{1}{2}$ inch deep. When large enough, thin out to stand at least 1 inch apart and as Onions are pulled during the summer pull every other one instead of straight up the row. This allows those remaining to mature to their full size for winter storing. Sprinkle Vaporkil in the row at time of planting to kill onion-root maggot. See page 58.

PAKRO GIANT GIBALTAR. Perfect globe shape, extremely large with straw-colored skin and pure white flesh. Pakro Giant Gibraltar is very vigorous, hardy, disease-resistant and will stand bad weather well. Start a few indoors in March, transplant in the latter part of April, and you will be surprised with the size of Onions obtained. Pkt. 10c., oz. 45c., $\frac{1}{4}$ lb. \$1.30, lb. \$4.

Prizetaker. One of the largest Onions that can be grown successfully in this section. Bulbs round, nearly globular in shape and measure from 3 to 4 inches in diameter. Outer skin straw color; flesh white. Flavor exceedingly mild and sweet. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.50.

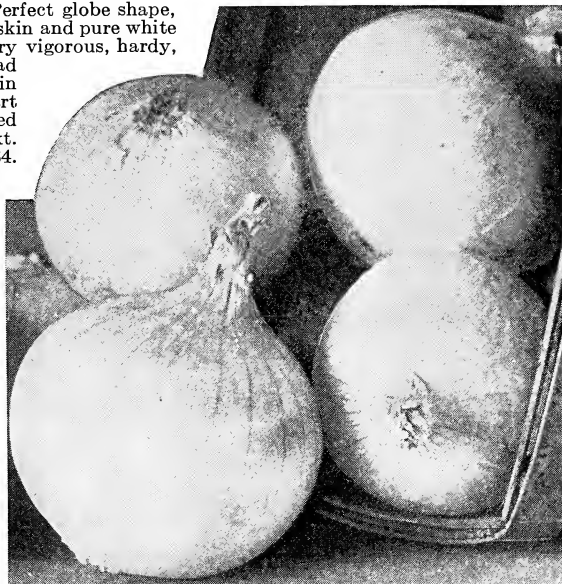
Red Wethersfield. Best and largest red Onion. Flesh tinged with red and has a strong, pungent Onion flavor. Bulbs are hard, solid, and keep well. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25.

Southport White Globe. Bulbs are perfect globe-shaped, very large, heavy and solid. Outer skin is pure white; flesh white and firm, flavor sweet and pleasing. Pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.75.

Southport Yellow Globe. By many gardeners this is considered the best of the yellow Onions. In size it varies from medium to large. The skin is yellow and flesh pure white. It is perfect globe-shaped. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.50.

Southport Red Globe. The handsomest red Onion grown. Bulbs are perfectly globe-shaped and purplish red in color. Inner flesh is tinged red and has a pungent flavor. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25.

WHITE PORTUGAL. This variety makes delightfully flavored scallions or young boiling



Southport White Globe Onions

Onions. It is also a prime favorite for pickling. Bulbs pure white, both as to skin and flesh and the flavor is sweet and mild. It is too tender to store for winter. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.50.

YELLOW GLOBE DANVERS. The most popular and extensively grown variety of Onion, of attractive and uniform shape, mild but full-flavored, rapid in maturing and an exceptionally good keeper. Beautiful straw color with a small neck and clean, solid flesh throughout. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25.

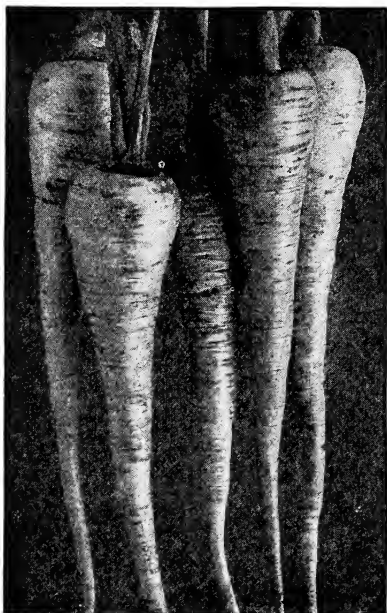
SPECIAL ONION OFFER: One packet each of any 3 of the above Onions for 25 cts., postpaid

Onion Sets *One quart will grow about 50 feet of row*

The quickest and easiest way to grow Onions either for scallions or large summer Onions is from Pakro Onion Sets. Rows may be quite close together (10 or 12 inches) and alternate rows pulled for scallions or green Onions, leaving the other rows to mature. They may also be planted in the rows that are to be used later for tomatoes or for cabbage. Plant in drills 2 inches deep, 2 inches apart and keep well cultivated at all times. A little bone meal in the row will help to produce larger bulbs. **Sow both seeds and sets for succession.**

	Qt.	$\frac{1}{2}$ pk.	Pk.	Bus.
Red Sets.....	\$0 35 (postpaid)	\$1 20	\$2 25	\$7 00 (express charges collect)
White Sets.....	45 (postpaid)	1 40	2 50	8 50 (express charges collect)
Yellow Sets.....	35 (postpaid)	1 20	2 25	7 00 (express charges collect)

ALL VEGETABLE SEEDS SENT POSTPAID AT PRICES LISTED



Hollow Crown Parsnips

Parsley

An ounce will grow 150 feet of row

Double Curled. Parsley is so generally used for flavoring and garnishing that it needs no description. The Pakro strain of Double Curled is extra good. Leaves curled, wrinkled, and borne well off the ground. Plant as early in the spring as the ground can be worked, sowing seed in drills $\frac{1}{4}$ inch deep. Parsley is very slow to germinate, so it is a good plan to sow a few quick-growing seeds, such as Radish, with the Parsley to mark the row. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 2 lbs. \$2.80.

Parsnip

An ounce will grow 150 feet of row

Hollow Crown. An excellent vegetable that may be left in the ground all winter; in fact, freezing improves the flavor. Sow in drills $\frac{1}{2}$ to 1 inch deep. Thin out to stand 4 inches apart. Hollow Crown is standard variety and the Pakro strain will give you exceptionally long smooth roots. To produce the best Parsnips it is necessary to loosen the soil to a depth of at least 10 inches. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 2 lbs. \$2.80.

Preparedness

Do not wait until the bugs and insects get on your plants before you order insecticides. Be ready for them with Vaporkil, Slug Shot, or Axfixo. Remember bugs can do a vast amount of damage in a day.

Peas

A pound will grow 50 feet of row

Canned Peas or "store Peas" can never equal those that you grow, care for, and pick yourself. Peas may be planted any time after the frost is out of the ground until June 1, and where summer is cool, until July 1. Sow seeds in drills 2 to 3 inches deep. Rows should be at least $2\frac{1}{2}$ feet apart. A good plan is to plant them (especially the dwarf-growing sorts) in double rows, that is, two rows 10 to 12 inches apart, then a space of 3 feet, and then two more rows 10 to 12 inches apart. This saves space and the two rows will help to support each other. Tall-growing sorts should have supports of some kind to keep them off the ground. Cheapest and best support is brush, although string or wire may be used.

Pakro Peas are from the finest strains obtainable. Varieties listed were selected after viewing hundreds of trials of different varieties, and we are convinced that they are the best sorts for both the home gardener and commercial grower. You can kill aphids on your Peas with Axfixo. See page 58.

EARLIEST OF ALL. Finest extra-early Pea. Seed smooth and hard and may be planted just as soon as the ground can be worked into a good condition. An excellent variety to plant for a first early, as all the pods mature at practically the same time and so give an abundance of Peas when you most want them. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

Gradus. Extra early. Vines are tall and may be supported by brush, but this is not necessary. Pods borne singly all over the vine from bottom to top, are about 4 inches long and contain 6 to 8 Peas. One of the finest Peas for the home garden. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

Alderman. Similar to Telephone, but darker green and with larger pods and Peas. Pods $4\frac{3}{4}$ inches long, containing 9 large Peas of luscious flavor. Late and very productive. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

THOMAS LAXTON. An early, wrinkled, large-podded variety much resembling Gradus. Very prolific and bears large pods well filled with Peas of delicious flavor. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

For a big yield of Peas, inoculate with Farmogerm

I used your seeds last year and found them very satisfactory.—RALPH T. KEELING, Pontiac, Mich.

Alderman

FULL CULTURAL DIRECTIONS ON EACH PACKET OF PAKRO SEEDS



PEAS, continued

Little Gem. A dwarf-growing, wrinkled, **early** Pea. Vines are about 15 inches in height and bear a profusion of pods. Pods are about 2½ inches long and usually contain from 5 to 6 fat, plump Peas of excellent flavor. Should not be planted until the weather has become settled. ¼lb. 15 cts., ½lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50.

PAKRO BLUE BANTAM. The finest **extra-early** large podded variety. Vines are medium dwarf, of strong, sturdy growth, and yield an enormous number of pods 4 to 5 inches long, each containing 6 to 8 large Peas. The flavor is sweet, luscious, rich and buttery—and surpasses, in our opinion, even that of Gradus. ¼lb. 20 cts., ½lb. 30 cts., 1 lb. 50 cts., 5 lbs. \$2.25.

Nott's Excelsior. Dwarf **early**, scarcely exceeding 12 inches in height. Very productive, bearing a profusion of pods throughout an extended period. Pods are about 3 inches long, blunt and round, containing from 5 to 6 light green round Peas of excellent quality. ¼lb. 15 cts., ½lb. 25 cts., 1 lb. 45 cts., 5 lbs. \$2.

Telephone. Easily the standard of the **late** varieties. Exquisite in flavor; produces pods of prodigious size, filled to bursting. Very productive. Vines about 5 feet high, but quite sturdy and need comparatively little support. ¼lb. 15 cts., ½lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75.

Champion of England. A **late** green wrinkled variety justly famous for its superb quality and rich marrow-like flavor. The pods are of medium size but well filled. It is a very tall grower, averaging about 4 feet in height and needs support. ¼lb. 15 cts., ½lb. 25 cts., 1 lb. 45 cts., 5 lbs. \$2.

Succession Pea Collection

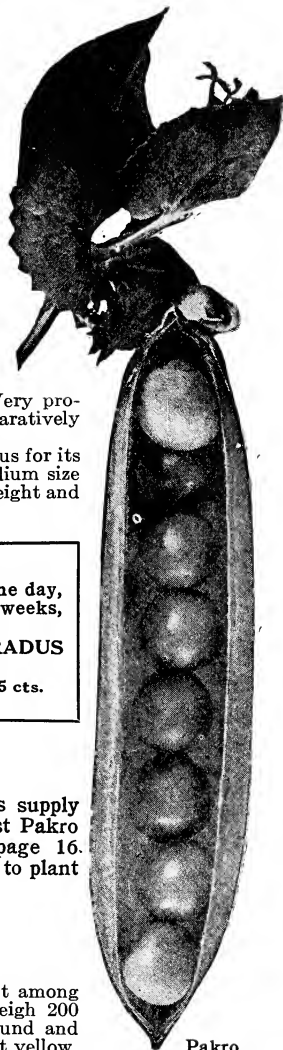
If you plant the four varieties of Peas listed below on the same day, you are assured a supply of Peas for a period of from five to six weeks, depending on the season.

EARLIEST OF ALL

NOTT'S EXCELSIOR

GRADUS

¼lb. of each of the above, 50 cts. ½lb. of each of the above, 85 cts.
1 lb. of each of the above, \$1.50



Pakro
Blue Bantam Pea

Win \$25 Dollars

Make your garden earn money as well as supply food. We offer a Cash Prize of \$25 for the best Pakro Garden approximately 30 by 50 feet. See page 16 for full details including list of the best seeds to plant for a garden of this size.

Pumpkins

King of the Mammoths (Potiron). The giant among Pumpkins. Specimens have been raised to weigh 200 pounds, 2 feet or more in diameter. Fruit round and slightly flattened; skin light orange; flesh bright yellow, thick but sugary, tender and excellent for pies and baking. Pkt. 15 cts., oz. 20 cts., ¼lb. 60 cts., 1 lb. \$1.75.

Connecticut Field. Most generally used for planting in corn for stock-feeding during the winter. Also makes excellent pies. Fruits are oblong, growing to a good size, often 15 inches in diameter and 20 inches long. Flesh rich orange-yellow. Pkt. 10 cts., oz. 15 cts., ¼lb. 40 cts., 1 lb. \$1.25.

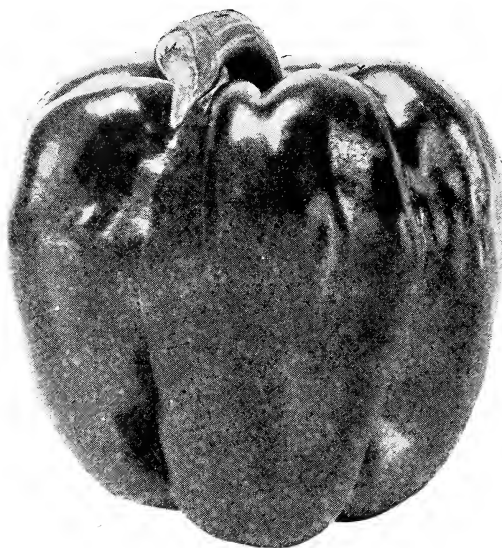
LARGE CHEESE. One of the best for canning or pies. Fruits are round and flat, and generally 12 to 15 inches in diameter. Pkt. 10 cts., oz. 15 cts., ¼lb. 40 cts., 1 lb. \$1.25.



Connecticut Field Pumpkins



Gradus Pea



Chinese Giant Pepper

strong-growing. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.

Peppers

An ounce will grow 1,000 plants

Peppers should be more than occasional visitors to the family table. Their food value is high and they are unsurpassed as an appetizer. Sow seed indoors or in hotbeds in drills $\frac{1}{2}$ inch deep, and when large enough to handle, transplant to small pots or 2 inches apart in boxes. Do not plant out of doors until all danger from frost is past.

CHINESE GIANT. The sweetest and largest Pepper. When ripe it is a beautiful deep clear red and is mild and sweet at all stages of growth. Pkt. 15 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.65, lb. \$8.

Large Bell. Although generally classed as a sweet Pepper, it is quite pungent, though not unpleasantly so. Fruits are a rich red when ripe; flesh very meaty and tender. Pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$5.

PIMIENTO. An excellent Pepper for stuffing or for use as pimientos. Fruits are of fair size and heart-shaped; flesh thick, sweet, and a rich scarlet when ripe. Skin is easily peeled by scalding. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.35, lb. \$7.

Long Red Cayenne. One of the hottest Peppers and the one from which cayenne pepper is made. Plants are bushy and

Pepper Plants

Transplanted plants ready about May 15. Chinese Giant and Long Red Cayenne, 40 cts. per doz., postpaid; \$2.50 per 100, express charges collect. Pot plants, by express only, \$1 per doz., \$6 per 100.

Northern-Grown Seed Potatoes

Potatoes do best in a rich fibrous soil, preferably one that has been used for a cultivated crop the year before. Early varieties may be planted as soon as the ground can be worked. Late varieties during May or first part of June, according to location. A good fertilizer should be applied at the rate of 1,000 to 1,200 pounds per acre (1 lb. to 40 square feet). Plant pieces (1 to 2 eyes each) 15 inches apart in drills 3 to 5 inches deep. Rows should be 2 to 3 $\frac{1}{2}$ feet apart. We offer below the best, all from selected northern-grown stock.

CARMAN NO. 3. One of the finest early Potatoes, round to oblong in shape. Skin creamy white. Quality excellent. Write for prices.

Green Mountain. Late heavy cropper. Skin smooth and white. Shape oval and rather flat. An excellent keeper. Write for prices.

IRISH COBBLER. The standard early market gardeners' variety. Potatoes are large, oblong, and very solid. Write for prices.

RUSSET. We consider this the finest late Potato. Tubers round to oblong in shape, usually borne 8 to 10 to a hill. Vines heavy, and unusually blight resistant. Write for prices.



Carman No. 3 Potatoes

I used some of your seeds last year and they were the finest I ever used.—Mrs. D. W. HINIS, Springfield, Ky.
I used your seed several years and like them the best of any I have ever used.—L. A. WATERS, Garrettsville, Ohio.

FULL CULTURAL DIRECTIONS ON EACH PACKET OF PAKRO SEEDS

Radishes

An ounce will grow 100 feet of row

Is there anything more appetizing in the spring or early summer than a dish of cool, crisp, and tender Radishes? To produce such Radishes, they must grow quickly. Select the sunniest and most fertile part of your garden, spade or dig up into a fine, smooth seed-bed, and sow the seed thinly in drills $\frac{1}{2}$ inch deep. Make sowings every two weeks for succession.

French Breakfast. First-early variety. Roots are olive-shaped, with bright red tops, and white tips. Flesh is clear white, exceedingly tender and very crisp. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, 5 lbs. \$5.50.

Long Scarlet. Second-early variety. Roots are about $\frac{3}{4}$ inch in diameter,

5 to 6 inches long, and brilliant scarlet. Flesh is pure white, mild, crisp, and tender. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, 5 lbs. \$5.50.

SCARLET GLOBE. One of the **earliest** of the globe-shaped forcing varieties and does equally well outdoors. Roots are good size and perfectly globe-shaped. Skin bright, rich scarlet; flesh white. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, 5 lbs. \$7.

IMPROVED SCARLET TURNIP WHITE-TIP. Second-early variety. Roots are turnip-shaped, brilliant red, with white tips. Flesh is white and crisp and flavor is very mild. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.30, 5 lbs. \$6.

White Icicle. Roots are clear pure white, $\frac{1}{2}$ to 1 inch in diameter and about 4 inches long. Remains tender and crisp for a long time. **Main-crop variety.** Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, 5 lbs. \$5.50.

WHITE CHINESE. Late. Radishes are generally thought of as being a spring or summer dish, but they may be enjoyed all winter long by planting this variety. Sow in August in drills 1 inch deep, lift and place in a cool cellar in dry earth just before heavy frost in the fall. Roots are 6 to 8 inches long, white and cylindrical in shape. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 5 lbs. \$7.

Long Black Spanish. Late. One of the best winter Radishes, 7 to 10 inches long and 2 to 3 inches in diameter. Skin dull black; flesh pure white, crisp, and sweet. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.60, 5 lbs. \$7.10.

Mixed Radishes. Oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.

SPECIAL OFFER: One packet each of any 3 of the above Radishes sent postpaid for 25 cts.

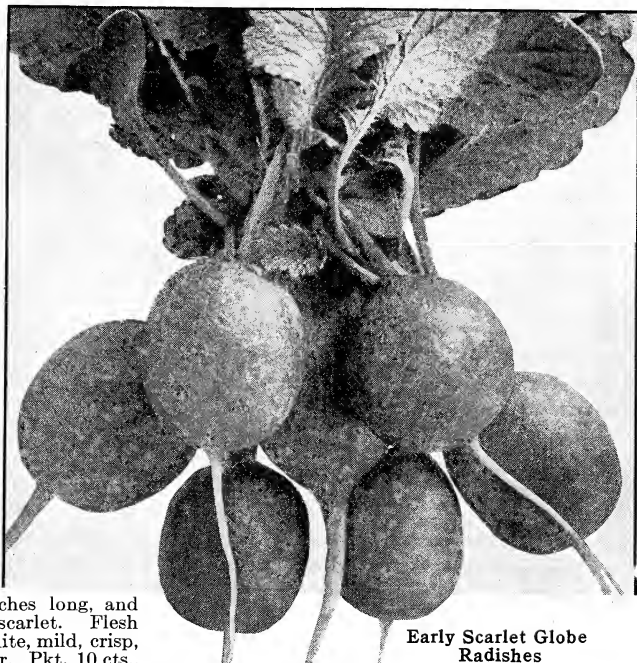
Rhubarb Roots

Plant the roots in rich well-drained soil so that the crown of the roots is just below the surface of the soil. The shoots will remain tender longer if seed stalks are kept cut back. The proper method of picking Rhubarb is to pull each stalk—do not use a knife. Roots, \$1.50 per doz., \$10 per 100, postpaid.

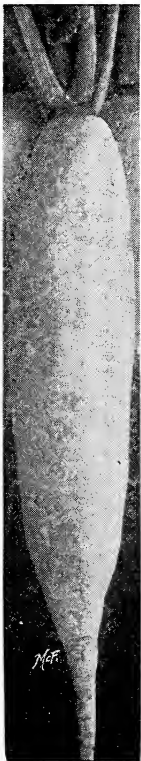
Salsify

An ounce will grow 50 feet of row

Sandwich Island. Salsify or Vegetable Oyster, as it is sometimes called, is another fine winter vegetable not so generally grown as it should be. Roots long like a parsnip, but not so tapered. Excellent when cut in strips and fried, having a taste that resembles that of oysters. Sow seed early in spring, in drills 1 inch deep; thin out later to stand 3 to 4 inches apart. Roots need not be lifted in winter, as freezing will not hurt them. Pkt. 15c., oz. 40c., $\frac{1}{4}$ lb. \$1.20, lb. \$3.50.



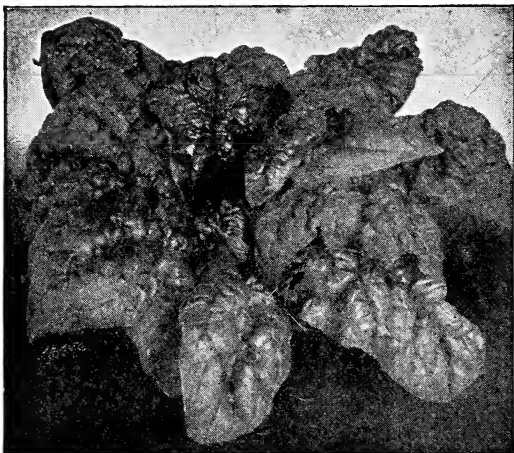
Early Scarlet Globe Radishes



Icicle Radish

Spinach *An ounce will grow 100 feet of row*

In these days when so much rich fine food is eaten, Spinach is really a necessity to the diet, and, unlike most things that doctors say are good for us, it is also one of the most delicious and palatable of vegetables. Sow seed in drills $\frac{1}{2}$ inch deep as early in the spring as the ground can be worked, or broadcast on a finely prepared seed-bed and rake in. Plant every two weeks for succession. Use Bloomsdale Savoy for early, New Zealand for midsummer, and Victoria or Long Standing for fall.



Bloomsdale Savoy Spinach

greens in midsummer, when it is hard to get other Spinach, plant some of this variety, as it bears all summer and seems to thrive on adverse conditions. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 5 lbs. \$7.

Squash *An ounce will grow 25 hills*

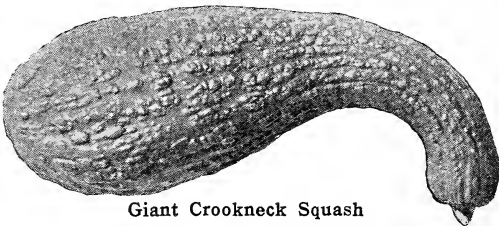
Squash is another very useful and economical vegetable to grow in the home garden. It is delicious, prepared in many different ways, and 4 or 5 hills are enough for the average family. Sow seed in early May in hills 4 feet apart each way. Sow plenty of seed and thin out later to best four plants.

DELICATA. All seasons Squash. Fruits are oblong, orange-yellow, striped green; flesh cream color, rich and dry. Pkt. 10c., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.10.

White Bush. Early. Fruits are white, round, and scalloped. Plants are of dwarf bushy growth. Rind is firm but not thick; flesh is tender and of fine quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Giant Crookneck. Midseason. Plants are of dwarf bushy growth. Fruits are long and curved, or crooknecked. Rind is a rich orange-yellow; flesh is rich cream color, very sweet and tender. This variety is largely used for slicing and frying like eggplant. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.85.

PAKRO MAMMOTH SWEET SQUASH. A new, enormous, orange-fleshed sweet Squash of our own introduction, grown from selected seed of Mammoth Italian strain. Monstrous in size, a single specimen from our trial grounds weighing 97 pounds and measuring 3 feet in length by 15 inches in diameter. Culture is the same as for ordinary Squash or pumpkin,



Giant Crookneck Squash

but for fruits of the largest size, soil should be very fertile and plants given plenty of room in which to develop. Pkt. 20 cts., oz. 75 cts. **Hubbard.** The standard winter Squash. Fruits large, rich, dark green, with firm skin and keeps well. Flesh is bright orange-yellow, fine grained, and of the finest quality. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.

BOSTON VEGETABLE MARROW. Oblong fruits, deep cream color. Flesh is very sweet and dry. Excellent for pies or stewing. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.

Swiss Chard *An ounce will grow 50 feet of row*

SILVER LEAF. Swiss Chard or Spinach Beet is one of the most satisfactory and economical vegetables to grow in the small home garden. A row 40 feet long will supply the average family with greens all summer. Sow seed in early spring in drills 1 inch deep, thinning out later to stand 3 to 4 inches apart. Silver Leaf has fine dark green crumpled leaves with a white midrib. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.35.

FULL CULTURAL DIRECTIONS ON EACH PACKET OF PAKRO SEEDS

Tomatoes *An ounce will grow about 1,500 plants*

A few Tomatoes of an early variety should be started indoors in early March. For main crop start in April. Sow seed in flats, in drills $\frac{1}{4}$ inch deep, and when large enough to handle, transplant to small pots or other flats, 2 inches apart. When all danger from frost is past, transplant to their permanent bed outdoors. Where the space is limited, the vines may be trained up on stakes or small trellises. Be careful to watch for green tomato worms, as they are heavy feeders and in a short time will strip all the leaves from a Tomato plant. Hand picking is the only remedy.

BEAUTY. Midseason variety.

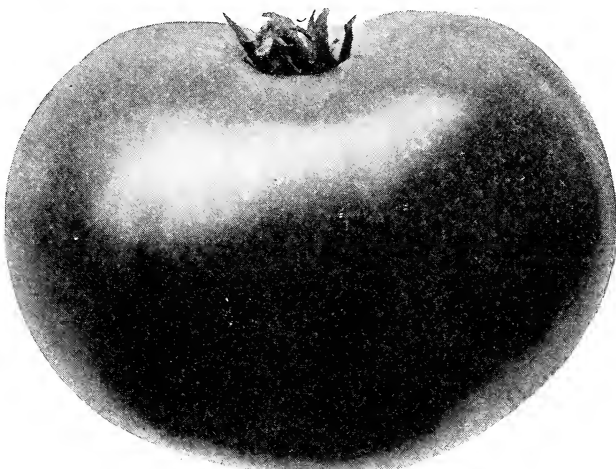
Fruits are large and smooth, no cracks or wrinkles. Color is a purplish pink. Flesh is sweet, firm, and stands shipping well. Entirely free from core and has only a few seeds. Pkt. 10 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.95, lb. \$5.75.

BONNY BEST. Fine bright red early Tomato. Fruits are borne in clusters in the center of the plant, are uniform in size, have no cracks and few seeds. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.

EARLIANA. Earliana is, without exception, the best early Tomato. Plants are very productive, but bear through a comparatively short season, so should be planted in conjunction with one of the main-crop varieties. Fruit is rich scarlet in color, free from cracks, and with no core. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.50.

June Pink. A pink-skinned and pink-fleshed extra-early, but unlike many extra-earlies, it bears continuously up until frost. Fruits large, nearly round and very solid. Pkt. 10 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.15, lb. \$6.50.

MATCHLESS. A splendid midseason variety. Cardinal-red. Fruits are quite large, very uniform and coreless. Does not split so much under unfavorable weather conditions as the other large-fruited sorts. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$5.50.



Beauty Tomato

Ponderosa. Late variety. Extremely large in size and though unsuitable for market, due to the irregularities in some of the fruits, it is nevertheless an excellent variety for the home garden. Color is purplish red. Flesh is firm and solid, and contains but few seeds. Pkt. 10 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$7.50.

NEW DWARF STONE. An excellent variety for those who do not care to stake the vines nor permit them to run on the ground. Plants are dwarf, bushy, and erect, holding fruits well off the ground. Pkt. 15 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.15, lb. \$6.50.

Stone. Main-crop variety. Fruits are a rich scarlet color, nearly round and without cracks. Very solid and firm flesh. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.50.

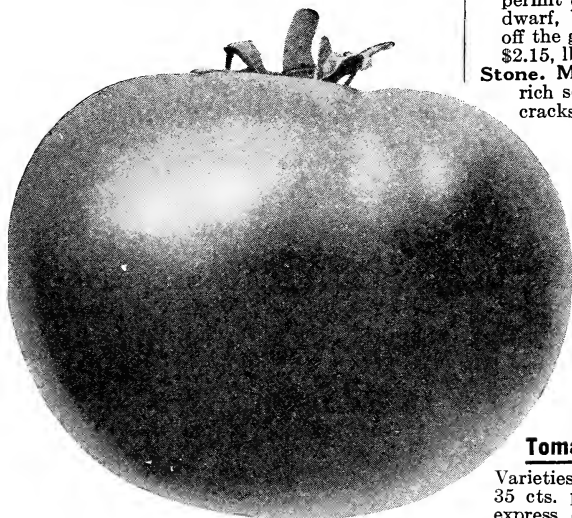
PAKRO GOLDEN GIANT. An extremely large-fruited yellow variety. Fruit is light clear yellow in color slightly tinged red. Pkt. 15 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$7.50.

Yellow Plum. A fine preserving sort. Fruits are plum-shaped and small. Color is pure golden yellow. Pkt. 15 cts., oz. 80 cts., $\frac{1}{4}$ lb. \$2.40, lb. \$7.25.

Red Cherry. Small-fruited. Same size, shape and color as large red cherry. Pkt. 15c., oz. 80c., $\frac{1}{4}$ lb. \$2.40, lb. \$7.25.

Tomato Plants. Transplanted plants, ready about May 15.

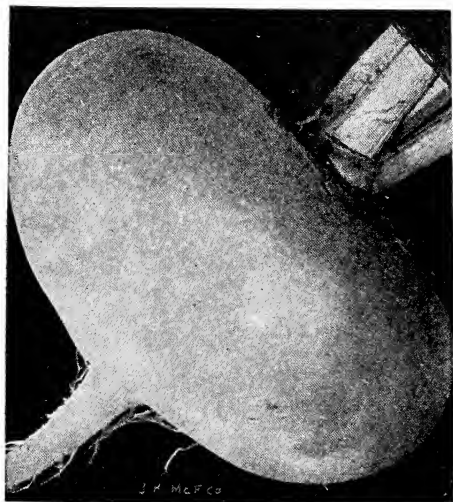
Varieties: **Earliana**, **Bonny Best**, **Ponderosa**, 35 cts. per doz., postpaid; \$1.75 per 100, by express, charges collect. Pot Plants, by express only, 75 cts. per doz., \$7 per 100.



Earliana Tomato

Turnips and Rutabagas *An ounce will grow 200 feet of row*

Grow some late Turnips and Rutabagas in your garden this year and store them for winter use. For early spring use, sow seed in April. For fall and winter use, sow in July or early August. Thin out to stand 2 to 3 inches apart. Turnips and Rutabagas may be kept all winter in a cool, dry cellar where there is no danger of freezing. Dust Vaporkil in drills at time of planting to kill root-maggots. See page 58.



Purple-Top Strap-leaf Turnip

Early White Milan. Extra-early summer Turnip. Best variety for planting in April. Roots are flat, pure white; flesh waxy white, contains no hard core, and is very sweet and tender. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Purple-Top Strap-Leaf. The standard late flat Turnip. The lower part is white, top distinct purple. One of the most easily grown Turnips and frequently sown broadcast in garden or field crops at the last cultivation. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.

Purple-Top White Globe. A medium early Turnip of fine quality. Roots are globular, white, with a purple top; flesh white, crisp, and tender. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.15.

WHITE EGG. Extra early. Roots are oval or egg-shaped, medium sized and of excellent quality. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.40.

GOLDEN BALL. Roots mature early, are of medium size, smooth, and perfectly globe-shaped. Skin and flesh rich yellow, fine-grained and of excellent quality. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.40.

Long White Cowhorn. Roots 12 to 15 inches long, slightly crooked. Clear white in color except for a shade of green at the top. Quality is good, but usually used as a cover crop. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Rutabaga or Swede Improved Purple-Top. Roots of Improved Purple-Top are yellow with purple top, globular in shape. Flesh is yellow and has a sweet and somewhat buttery taste. Takes somewhat longer to mature than Turnips and therefore should be planted earlier. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.

SPECIAL TURNIP OFFER. Any three packets of the above Turnips sent postpaid for 25 cts.

Watermelons *An ounce will grow 20 hills*

Watermelons are delicious, healthful, easy to grow and should be in every garden. Use the same cultural directions as for muskmelons, excepting that the hills should be 6 to 8 feet apart.

SWEETHEART. Fruits mature early. Skin is light green, slightly mottled; flesh solid and bright red in color. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.20.

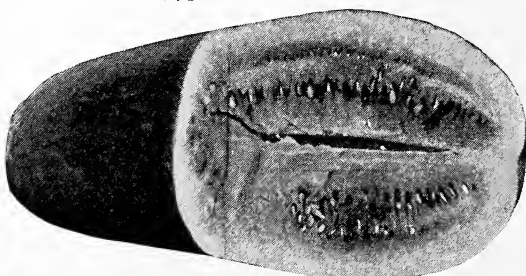
Kleckley's Sweets. The best large melon for the home garden. Fruits 18 inches long and 10 inches in diameter. Skin dark green; flesh bright red, of excellent flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Tom Watson. A fine oblong Watermelon, excellent for either home or market garden. Skin dark green, with lighter netting; flesh bright red and very sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.40.

FORDHOOK EARLY. An extra-early variety especially adapted for use in home gardens. Melons are nearly round, skin dark green, mottled darker; flesh bright red, very sweet and sugary. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

KING AND QUEEN. Superb new variety of Watermelon from Russia which can be stored until February. Color of skin is light green, slightly striped dark green; flesh very tender and sweet. Pkt. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Colorado Preserving Citron. Oval to round in shape. Skin dark green, striped lighter green; flesh green and very tender. Pkt. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.



Kleckley's Sweets Watermelon

Your Golden Bantam Corn was great stuff, and I had some Muskmelons that would melt in your mouth.—PARKER F. SCRIPTURE, Rome, N. Y.

FULL CULTURAL DIRECTIONS ON EACH PACKET OF PAKRO SEEDS

Grass, Farm and Field Seeds

We take particular pride in Pakro Grass and Farm Seeds, for we know that they are of highest purity and germination obtainable. They cost us more than ordinary seed and we must charge accordingly, but the quality and yield will be remembered long after the small additional cost is forgotten. Samples and complete information regarding germination and purity gladly furnished.

PRICES: Because of unsettled market conditions, we cannot quote firm prices on quantity lots of Grass and Farm Seeds at the time this catalogue goes to press, but, upon request, will be pleased to send you latest prices on any quantity desired.

Hay and Pasture Grasses

RED-TOP FANCY. For hay and pasture. Does well in sour soil. Lb. 45 cts., postpaid.

TIMOTHY. Most generally used and best farm hay crop. Best hay for horses. Largely used in pasture mixtures; makes heavy sod. Lb. 25 cts., postpaid.

KENTUCKY BLUE. Slow growing but, once established, makes the best pasture. Must have sweet soil. Lb. 75 cts., postpaid.

ORCHARD GRASS. Fine for hay or pasture. Grows well in orchards in shade. Any soil. Lb. 40 cts., postpaid.

Write for prices on larger quantities

Alfalfa

The two-purpose crop. It makes excellent feed for cattle and at the same time adds nitrogen to the soil. Alfalfa can be grown on practically any soil that is not sour and give two or three cuttings a year. **For best results inoculate with Farmogerm.**

Grimm's. Famous heavy-stooling Alfalfa with extremely wide-spreading root system. Hardy, withstands excessive wetness and drought, and does not winter-kill as easily as the common variety. Lb. 90 cts., postpaid.

Pakro Brand. Pure Northwestern-grown seed. Infinitely better than ordinary brands usually offered. Lb. 40 cts., postpaid.

Write for prices on larger quantities

Clovers

Next to Alfalfa, Clovers are the most valuable hay crop for cattle and, like Alfalfa, they add nitrogen to the soil. **Use Farmogerm for bigger Clover crops.**

Alsike, Pakro Brand. Somewhat smaller growth than Medium Red Clover. Will do better on poor and sour soil than Red Clover. Lb. 40c., postpaid.

Medium Red. Pakro Brand. Most commonly used and one of the best for hay and improving the soil. Largely used in New Jersey and near by as a cover crop. Lb. 45 cts., postpaid.

Crimson. Used almost exclusively as a cover crop. Lb. 40 cts., postpaid.

Pakro Permanent Pasture Mixture.

A fine mixture of grasses and clovers to make a well-balanced pasture. Stays green and provides good pasture from early spring until late fall. Pure, heavy seed weighing about 45 pounds per bushel. Sow at the rate of 20 to 30 pounds per acre either in the fall with wheat or in the spring. We advise making a cutting from the field before it is used as pasture, so that the roots will have time to develop and form sod. Lb. 45 cts., postpaid; bus. \$13.50, 100 pounds \$30, via express or freight, charges collect.

Selected Farm Seeds

BARLEY. A reliable and profitable spring grain crop. Lb. 25 cts., postpaid.

MILLET, Japanese. Excellent catch crop. Makes excellent hay or forage. Sometimes used for ensilage. Lb. 30 cts., postpaid.

COWPEAS, New Era. Earliest variety to mature. Bushy growth. Easily harvested. Lb. 40c., postpaid.

OATS, White Swedish. The best Oats. Roots well and has strong stiff straw. Branching head is well filled. Outyields other varieties four or five bushels per acre. Lb. 20 cts., postpaid.

RYE, Spring and Winter. Excellent as catch crop for fodder or grain. Fancy re-cleaned seed. Lb. 20 cts., postpaid.

WHEAT. Re-cleaned seed of best varieties in season. Lb. 20 cts., postpaid.

SOY BEANS, Mammoth Yellow. An excellent soil-improving crop. May be grown with corn or oats for silage or separately and thrashed, having the Beans ground for meal and using straw for hay. **To insure maximum yield we advise inoculating with Farmogerm.** Lb. 25 cts., postpaid.

PEAS, Canada Field. Another excellent fodder plant for combining with oats for feed or silage. Lb. 25c., postpaid.

BUCKWHEAT, Japanese. An excellent catch and cover crop. Will thrive on soils too poor for other crops and build them up. Lb. 20 cts., postpaid.

VETCH, Winter. Excellent cover and green hay crop. Adds nitrogen to the soil. Lb. 35 cts., postpaid.

RAPE, Dwarf Essex. An excellent forage crop for sheep. Lasts into winter. Lb. 25 cts., postpaid.

Write for prices on larger quantities

Field Corn

White-Cap Yellow Dent. One of the best-known and most reliable Dent Corns and a sure-cropper. Ears large and well filled. Grains have white cap, but are yellow on sides and inside. Largely used for ensilage. Matures in 115 days. Lb. 20 cts., postpaid; bus. \$3.25, f.o.b., Madison, N. J.

Eight-Row Yellow Flint. An old standard variety that will mature in about 90 days. Ears good length, containing eight rows of large yellow grains. Lb. 20 cts., postpaid; bus. \$3.25, f.o.b., Madison, N. J.

Reid's Yellow Dent. The most popular Yellow Dent. Few days longer in maturing than White Cap. Preferred by many farmers because of color, a pure golden yellow. Lb. 20 cts., postpaid; bus. \$3.25, f.o.b., Madison, N. J.

Eureka Ensilage. Large tall stalks, many leaves. One of the best for silage. Gives large yield per acre. Long ears, yellow grain, somewhat similar to Leaming. Lb. 20 cts., postpaid; bus. \$3.25, f.o.b., Madison, N. J.

Inoculate with Farmogerm. 1-acre size \$1, 3-acre size \$2.50, 12-acre size \$9, all postpaid



Selected Seeds for Your Flower Garden

Growing flowers is such a pleasant occupation, and such large returns can be had from such a comparatively small outlay of labor and money, that it is a great wonder more are not grown around every home.

We have carefully revised our list of offerings to include all the more popular Annuals, Biennials, and Perennials which can be satisfactorily grown from seed, as well as many beautiful varieties seldom seen but very worthy of trial. For our customers' convenience all varieties are listed alphabetically and it is stated in each description whether they are Annuals, Biennials, or Perennials.

In addition to the complete cultural directions on each packet of Pakro Flower Seeds and the information contained in the descriptive list that follows, these general rules should be observed: Make the surface of the soil as fine, smooth and level as possible. Do not plant when the ground is wet. Cover each lot of seeds to a uniform depth, which should not be more than four or six times the diameter of the seed. Press the soil firmly over the seed. Plant in rows so that the starting plants can be seen easily. Thin out the young plants to prevent crowding and keep entirely free from weeds.

Annuals are exclusively raised from seed, and attain perfection and last for one season only. They are divided into three classes: Hardy, Half-hardy, and Tender. Hardy Annuals are such as will stand a severe frost; Half-hardy Annuals are more delicate, and Tender Annuals will perish with the slightest frost.

Biennials are plants that flower the second year from sowing of the seed, and then perish.

Perennials are herbaceous plants which die down during the winter and spring up and bloom the following season. They should be covered late in the fall with well-rotted manure which should be dug about the roots in the

spring. Tender Perennials should be dug up and stored away free from frost, and planted out in early spring. The seeds of these may be started in early spring in hotbeds or indoors in boxes (Humus mixed with one-third good soil is an ideal medium for starting seeds), and many will bloom the first year if started quite early. As soon as the seedlings have formed four leaves they should be transplanted into 2-inch pots or to stand 2 inches apart each way in boxes or flats. Transplant to their permanent positions as soon as the weather has become settled and be careful to take all the roots and as much soil as possible.

Achillea

Parmica, The Pearl. Hardy perennial, two feet high. Flowers small, double, pure white, borne in heads. Blooms all summer. For borders, massed beds, and cut-flowers. Pkt. 25 cts., $\frac{1}{8}$ oz. \$2.

Acroclinium

Double. Annual Everlasting Flower resembling double daisy. Height 15 inches. Flowers are clear shell-pink and white. For winter bouquets cut in the bud state and dry. Sow seed outdoors when all danger of frost is past, in drills $\frac{1}{4}$ inch deep. **Mixed**, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.



Achillea Parmica

Ageratum

Mexicanum Blue. Hardy annual of the greatest value for bedding, edging, and window-boxes. Flowers tuft-shaped and lavender-blue in color. Blooms from early summer until frost. Plant outdoors in April in drills $\frac{1}{4}$ inch deep. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Imperial Dwarf Blue. Hardy annual but quite distinct from the Mexicanum variety. Very dwarf. Extra good for window-boxes. Flowers bright clear blue. Blooms practically all summer. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Imperial Dwarf White. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

PAKRO FLOWER SEEDS DELIVERED FREE ANYWHERE IN THE UNITED STATES

Alyssum

Little Gem. Annual. Best of all white edging plants. Dwarf and covered with tiny white flowers all summer long. Plant as soon as the ground can be worked, in drills $\frac{1}{4}$ inch deep. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Saxatile Compactum (Golden Tuft). Hardy Perennial. One foot high. Broad, flat heads of bright yellow. Blooms April and May. Excellent for rock-gardens or borders. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Anchusa

Italica (Dropmore variety). Hardy perennial. Color rich gentian-blue so seldom found in flowers. Plants spread and should have plenty of room. Covered with flowers during May and June and will bloom again in the fall if cut back. Height 4 to 5 feet. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Anthemis

Tinctoria Kelwayi (Golden Marguerite). Hardy perennial. Two feet high. Flowers daisy-like and deep yellow. Blooms from midsummer until frost. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

New Antirrhinums

Snapdragons

The new Antirrhinums or Snapdragons are so far ahead of the wild "Butter and Eggs" that they are hardly recognized as being related. They are extremely popular, both as cut-flowers and for bedding, and we offer all of the separate colors of the Half-Dwarf type for bedding as well as separate colors of the Tall type used almost exclusively for cutting. Seed may be started either indoors or in hotbeds in March, or outdoors in early May. Sow seeds in drills $\frac{1}{4}$ inch deep. Annuals.



Antirrhinum, or Snapdragon



Alyssum, Little Gem

Antirrhinums, continued

Large-flowering Half-Dwarf. Red, Rose-Pink, Salmon, White, and Yellow. Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

COLLECTION: One pkt. each of the five colors, 60 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.

Large-flowering Tall. Pink, Scarlet, White, and Yellow. Each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts.

COLLECTION: One pkt. each of the four colors, 50 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.

Harmony. Undoubtedly one of the finest tall Antirrhinums ever introduced. Flower-spikes are exceptionally long, almost equaling those of the new Hybrid Delphiniums. Color is a rich terra-cotta-pink, shaded with rose and merging into a golden yellow at the center. A distinctive novelty that will add greatly to your garden. Pkt. 50 cts., 3 pkts. \$1.

Aquilegia, or Columbine

Long-Spurred Hybrids. One of the finest hardy perennials. Plants dwarf; flowers held 10 to 12 inches above the foliage. Colors pink, lavender, and yellow shades. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.

Arabis

Alpina (Rock Cross). Hardy Perennial. Large spreading tufts of deep green foliage covered with white blooms very early in the spring. Excellent for rockeries and borders. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

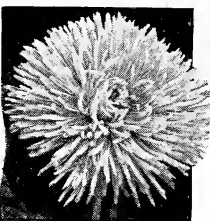
Arctotis

Grandis (African Daisy). Annual with large daisy-like flowers. Petals pure white on upper side, under side lavender-lilac. Blooms July until frost. Excellent as a cut-flower. Height 2 to 3 feet. Start indoors in March or outdoors in May in drills $\frac{1}{4}$ inch deep. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

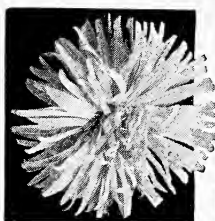
Asparagus

Plumosus nanus. The dainty Asparagus Fern. Tender or greenhouse perennial much used indoors as a pot plant. Pkt. 25 cts., 100 seeds \$1.

Sprengeri (Emerald Feather). Tender perennial. Green fern-like foliage, somewhat trailing. Excellent for hanging baskets. Pkt. 10 cts., 100 seeds 50 cts.



New King



Comet



Late Branching

Pakro Peerless Asters

Crego Giant for bedding and cutting. Our strains are grown in California and represent the product of years of careful study of types best suited to our customers' needs. Asters do best in rich, mellow soil and preferably soil that has not been used for Asters the previous year. Start seed in hotbed or indoors in March or April and transplant to the open when danger of frost is past. Seed may also be sown out of doors after the weather has become settled, in drills $\frac{1}{4}$ inch deep. For large flowers and long stems, thin out to stand 12 to 15 inches apart. Wood ashes worked into the soil at time of planting will help to keep Aster root diseases in check. Both Bordeaux Mixture and Axfix are very effective against the black aster beetle.

BEAUTY ASTERS. A superb new large-flowering variety. Large, strong, vigorous plants; long stout stems, and magnificent double blooms, 4 to 5 inches in diameter. They begin to bloom in late September and last until killed by heavy frost. Plants are 2 to 3 feet high and of the branching type.

Azure Fairy. Delicate light clear blue.

Peach Blossom. Charming peach-blossom-pink.

White Beauty. Immense flowers of purest white.

Each, pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. 75 cts.

COLLECTION: One pkt. each of the 3 colors, 60 cts.

KING ASTERS. A new very distinct, and pleasing type of Aster with many fine qualities to recommend it over the other forms. Plants are strong and bushy, about 18 inches high. Flowers are borne on long strong stems and each petal is more or less folded like a quill, forming a most attractive bloom. Flowers last longer in water than other varieties. We particularly recommend Pink King and Violet King.

White King, Pink King, Lavender King, Violet King, Crimson King. Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

COLLECTION: One pkt. each of the 5 colors, 60 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 65 cts., oz. \$1.75.

CREGO GIANT COMET ASTERS. Massive chrysanthemum-like blooms, beautifully formed and of exceptional substance. Unsurpassed as cut-flowers. The plants are strong and robust. Blooms all summer long.

Lavender, Pink, Purple, Rose, and White. Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

COLLECTION: One pkt. each of the 5 colors, 60 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 65 cts., oz. \$1.75.

LATE BRANCHING ASTERS. Starts to bloom in midsummer and continues until frost. One of the best Asters for cutting.

Plants bushy and grow about 2 $\frac{1}{2}$ feet high.

Lavender, Pink, Purple, Rose, White.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 65 cts.

COLLECTION: One pkt. each of the 5 colors, 60 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

QUEEN OF THE MARKET ASTERS. Undoubtedly the finest early Aster. Blooms early in July. Plants about 15 inches high; flowers large and borne on long strong stems.

Crimson, Lavender, Pink, Purple, White.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

COLLECTION: One pkt. each of the 5 colors, 60 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.

I shipped over \$400 worth of flowers from 2 lbs. Aster seed bought from you last year. H. C. LOCKE, Florist, Texas.

Bachelor's Button

Centaurea Cyanus

An old-time favorite known by many names, such as, Ragged Robin, Bluets, Ragged Sailor, Cornflower, and Blue Bottle. One of the easiest-grown annuals. Plants are 1 $\frac{1}{2}$ feet high, of branching growth, and covered with blooms. Plant seed outdoors, in drills $\frac{1}{4}$ inch deep, after the weather has become settled.

Double Blue. Fine, very double, rich blue blooms. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Double Mixed. A superb mixture of all colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.



Bachelor's Button

Balloon Vine

Love-in-a-Puff

Very effective quick-growing annual climber. White flowers, followed by seed pods resembling small toy balloons. Pkt. 10c., $\frac{1}{4}$ oz. 25c.

Balsam (Lady's Slipper)

Double Camellia-flowered. Annual. Flowers in all shades, borne close to the main stem amongst the foliage. Plant seed in shallow drills indoors in March or April or outdoors after frost is past. Two feet high and blooms freely all summer. **Mixed,** pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

PAKRO FLOWER SEEDS DELIVERED FREE ANYWHERE IN THE UNITED STATES

Bellis (English Double Daisy)

Perennis. Hardy perennial. Six to 8 inches high. Flowers are very double, 1 inch in diameter; colors pink and white. Blooms in May and June. Pkt. 15 cts., $\frac{1}{4}$ oz. 85 cts.

Blue Lace Flower (*Didiscus cærulea*)

Also known as Queen Anne's Blue Lace Flower, and an exquisite flower that should be in every garden.

Annual. Grows $1\frac{1}{2}$ feet high, bearing beautiful azure-blue flowers, not unlike a wild carrot but much more rounded and lovely. Plant outdoors in drills $\frac{1}{4}$ inch deep after danger from frost is past. Blooms all summer. Excellent as a cut-flower. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts.

Calendula (Pot Marigold)

An extremely useful annual for beds, borders or cut-flowers. Plant the seed as soon as the ground can be worked in spring in drills $\frac{1}{4}$ inch deep. Blooms continually from July until killed by heavy frost in the fall.

Improved Orange King. Flowers are extra large and full double, showing no hard centers. Color rich deep orange. Plants are compact, upright and not so inclined to straggle as other varieties. Pkt. 25 cts., $\frac{1}{4}$ oz. 85 cts., oz. \$2.50.

Orange King. Fine double, rich deep orange. Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Lemon Queen. Fine double, pure lemon-yellow. Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Double Mixed. All varieties. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 50 cts.

Calliopsis

One of the finest and most easily grown annual flowers. Plants dwarf, bearing cosmos-like flowers on fairly long stems. Bloom from early summer until frost. Sow in drills $\frac{1}{4}$ inch deep in early spring.

Coronata. Golden yellow.

Nigra Speciosa. Rich reddish maroon.

Golden Wave. Yellow with chestnut-brown center.

Marmorata. Yellow, marbled red.

Tiger Star. Reddish brown, tipped yellow.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

COLLECTION: One pkt. each of the 5 colors, 40 cts.



Calendula

Candytuft

One of the prettiest and most floriferous bedding annuals. Flowers borne on heads well above the foliage. Plant seed out of doors in drills $\frac{1}{4}$ inch deep after weather has become settled.

Carmine, Crimson, Lavender, and Giant Empress (White). Each pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

COLLECTION: One pkt. each of the 4 colors, 50 cts.

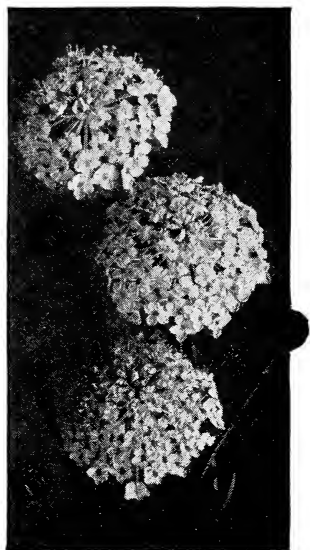
Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

Celosia (Feathered Cockscomb)

A beautiful annual bedding plant blooming from early summer until frost. Start indoors in April or out of doors when weather permits. Sow seeds in drills $\frac{1}{4}$ inch deep.

Cristata. True cockscomb-like heads in red and yellow shades. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Childsii (Chinese Woolflower). Beautiful cylindrical heads that resemble balls of silky wool. Clear rose color and can be dried for winter bouquets. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.



Blue Lace Flower

Campanula

Medium Calycanthema (Cup-and-Saucer Canterbury Bells.) Hardy Biennial. The true Cup-and-Saucer Canterbury Bell, and undoubtedly the finest type of this old-fashioned garden flower. Blooms have large, full calyx, same color as the bell and resemble miniature cups and saucers. If started indoors very early, will produce flowers first year.

Blue, Pink, and White. Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

COLLECTION: One pkt. each of the 3 colors, 35 cts.

Mixed. Pkt. 10c., $\frac{1}{4}$ oz. 40 cts.

Carnation

Marguerite Double. Carnations, though well known on the florists' stands, are not grown in home gardens as much as they should be. Sow indoors in March or April or outdoors in May. Perennial, but best treated as an annual.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts.

Chrysanthemum

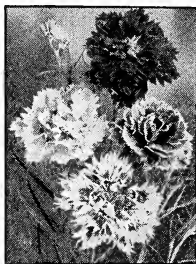
Coronarum Double. Our special mixture begins to bloom in July. Plants are 2 to 3 feet high and bear a profusion of double white and yellow blooms 2 inches in diameter. **Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Cineraria

Maritima candidissima (Dusty Miller). Dwarf edging or border annual 12 to 15 inches high. Foliage finely cut, graceful and has a downy silvery appearance. Start indoors in April and transplant to open when danger from frost is past. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.



Cosmos



Dianthus

Cleome (*Giant Spider Flower*)

Gigantea. Unique annual for tall or shrubby borders. Rosy crimson flowers are borne in heads at end of branches. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Clarkia

Elegans Double. Very pretty annual most familiar in Europe but little known here. Plants 2 feet high, bearing long racemes of double white, pink, and scarlet flowers. Sow in shallow drills when weather has become settled. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Cobaea (*Cup-and-Saucer Vine*)

Scandens. Beautiful, rapid-growing, half-hardy perennial vine. Flowers are blue, resembling Cup-and-Saucer Canterbury Bells. Vines grow 30 to 40 feet high, and cling to any rough surface. Plant seeds edgewise about $\frac{1}{4}$ inch deep, indoors in March or April or outdoors after weather has become settled. Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts.

Cosmos

Nothing can take the place of Cosmos in the flower-garden. Although it does not begin to bloom so early as other annuals, its handsome fern-like foliage makes an excellent background for the smaller-growing flowers, and a fine autumn cut-flower. Plant seeds indoors in March or April, or outdoors when frost is past.

Double, or Crested. A wonderful new variety of Cosmos with double or crested centers, making a most attractive bloom, although, like many other double forms of single flowers, do not come entirely true from seed.

Pink Beauty, White Queen, and Crimson King. Each, pkt. 20 cts., $\frac{1}{4}$ oz. \$1.

COLLECTION: One pkt. each of three colors, 50 cts.

Early-Flowering. More satisfactory than late Giant Cosmos in northern latitude as flowers begin to bloom earlier. Also more dwarf.

Pink, White, and Crimson. Each, pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts.

COLLECTION: One pkt. each of three colors, 30 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Mammoth Late-Flowering. A superb strain of the Giant or Late-flowering Cosmos with flowers of mammoth size and perfect form.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Coreopsis

Lanceolata grandiflora. Hardy perennial. Deep orange-yellow cosmos-like flowers on long stems. Excellent for cutting. Blooms during June and July and the first year if planted early. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts.

Cypress Vine (*Cardinal Climber*)

Scarlet. Pretty annual climber with beautiful fern-like foliage and small bright scarlet trumpet-shaped flowers. Sow in early May; soak seeds in warm water for a few hours before planting. Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts.

Dahlias from Seed

Growing Dahlias from seed is very fascinating. Not only does it enable you to obtain a good collection very cheaply, but also there is always the chance of producing a new variety. Both the double and single sorts will bloom most satisfactorily the first year from seed if planted early. Start seed indoors in early April and transplant outdoors after all danger from frost is past.

Double Mixed. Collected from the finest double varieties. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.

Single Mixed. A select mixture of all single types. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Stella. A striking new novelty from England, first introduced by us in 1923. Stella is a form of the Single Cactus type, with but one row of petals which are recurved and give the whole flower a striking resemblance to a star fish. Colorings are very varied, and blooms are borne early on long stiff stems. Pkt. 50 cts., 3 pkts. \$1.

Coltness Hybrids. Another English novelty of an entirely new strain of the Dwarf type, now so popular for decorative purposes. Plants are of neat compact growth about 18 inches high and bear a full and continued succession of blooms from July until frost. Blooms are single, about 3 inches in diameter, and of many colors. Pkt. 50 cts., 3 pkts. \$1.

Delphinium (*Perennial Larkspur*)

Belladonna. Height 3 to 4 feet. Flowers beautiful clear sky-blue and borne on spikes 1 to 2 feet long. Blooms all summer. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50.

Bellamosa. Dark blue form of Belladonna and much superior to the old Formosum. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50.

New English Hybrids. (Exhibition Strain.) A magnificent large-flowering strain, comprising many beautiful colors, selected especially for us by one of the foremost Delphinium growers in England. Besides the light and dark blue of the old types are included wonderful shadings of mauve, lilac, and rose, and many with the distinctive "bee" like centers so popular with the best growers. Pkt. 75 cts.

Chinese Blue. Quite distinct from other types in that it is dwarf and flowers are not borne in such long spikes. General appearance is that of a glorified lobelia. Pkt. 20 cts., $\frac{1}{4}$ oz. 80 cts.

Dianthus

Allwoodii (Perpetual Blooming Pink). A new hybrid of hardy Pinks and Carnations and one of the hardest and most floriferous of the Dianthus family. Blooms continuously from spring until frost. Flowers are about 75 per cent double, in a wide range of colors, and exquisitely sweet scented. Culture same as for other perennials. Pkt. 50 cts., 3 pkts. \$1.

Chinensis (Double Annual Pink). An old-time favorite for bedding and borders. One of the easiest annuals to grow. Plant in drills $\frac{1}{4}$ inch deep as soon as the ground can be worked. **Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Digitalis (*Foxglove*)

Gloxiniæflora. The old-fashioned perennial Foxglove, with stately spikes of purple, pink, white, and yellow spotted flowers, deserves a place in every garden. Flowers are borne on spikes 3 to 4 feet high during June and July. **Mixed.** Pkt. 15 cts., $\frac{1}{4}$ oz. 40 cts.

Dimorphotheca

Aurantiaca (African Golden Daisy). A most striking bedding or border annual. Plants are bushy, 12 to 15 inches high, and covered with blooms all summer. Flowers daisy-like and a distinct glowing orange. Sow out of doors in May where the plants are to bloom. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Dolichos (*Hyacinth flowered Bean*)

A very useful and ornamental annual climber. Grows quickly 10 to 12 feet high. Foliage thick and glossy. Flowers borne on spikes somewhat like a hyacinth; colors deep maroon and white. Do not plant until weather has become settled. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Euphorbia

Variegata (Snow-on-the-Mountain). Tall annual bedding plant about 2 feet high. Foliage is attractively variegated white and green; flowers small. Sow in shallow drills outdoors in May or indoors in March. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Forget-me-not

Myosotis palustris semperflorens

True half-hardy perennial spring-blooming Forget-me-not. Fine for massing along small streams, in moist places, and as an edging for spring-flowering bulbs or pansies. Culture same as perennials. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.

Gaillardia (*Blanket Flower*)

Grandiflora. Most profuse blooming hardy perennial, flowering from early summer until frost. Plants are dwarf, with blooms on long stems. Flowers daisy-shaped, with large, rounded centers; petals yellow at edges, deepening to rich mahogany-red center. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts.

Gomphrena (*Globe Amaranth*)

Annual Everlasting Flower. Two feet high and covered with pink-and-white clover-like flowers. Fine for winter bouquets. Plant seed in May. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Gourds

Ornamental Varieties. Annual. Mixture containing practically all the different varieties, such as Spoon, Egg, Turk's Turban, Knobkerrie, Pear, Hercules' Club, Luffa, Orange, Dipper, etc. **Mixed.** Pkt. 10 cts., oz. 50 cts.

Gypsophila (*Baby's Breath*)

Elegans. Annual. Improved large-flowering type. Practically indispensable in the pretty arrangements of cut-flowers. A few sprays added to the most formal bunch of flowers will give them a pleasing and airy effect. Make plantings every three weeks for a succession of bloom. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Paniculata. Perennial. Height 2 to 3 feet. Foliage fern-like; plants covered with tiny white flowers. Blooms July and August. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Helenium

Autumnale Superbum. Hardy perennial. Height 4 to 5 feet. Flowers have broad brilliant yellow petals with tufted centers. Blooms from late summer until frost. Pkt. 20 cts., $\frac{1}{4}$ oz. \$1.

Helichrysum (*Straw Flower*)

Annual. Height 3 to 4 feet. Very popular double daisy-like flowers with stiff straw-like petals. If picked in the bud state, will last all winter. Sow outdoors in May in drills $\frac{1}{4}$ inch deep.

Golden Ball. Golden yellow.

Silver Ball. Pure white.

Fireball. Rich bright red.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 40 cts.

COLLECTION: One pkt. each of the 3 colors, 35 cts.

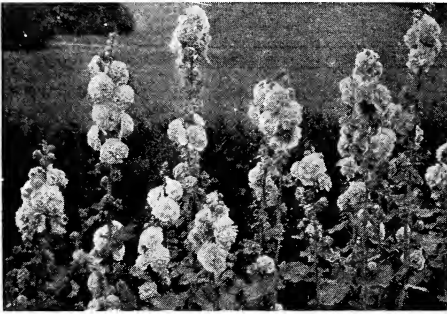
Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Heliotrope

Lemoine's Giant. A half-hardy perennial about 2 feet high. Blooms borne in heads above the foliage; very sweet scented. Sow seed indoors in March or April in drills $\frac{1}{4}$ inch deep and transplant outdoors when danger from frost is past. May also be sown outdoors in May. Pkt. 15 cts., 2 pkts. 25 cts.



Helichrysum



Double Hollyhocks

Pakro Hollyhocks

One of the most beautiful perennials, and one of the easiest to grow. Best used along a hedge or fence, or as a background for smaller-rowing plants. Plant outdoors as soon as the ground can be worked; when large enough to handle, transplant or thin out to stand at least $1\frac{1}{2}$ feet apart. If planted in April, will bloom first year; **Double. Pink, Red, Maroon, White, and Yellow.** Each, pkt. 25 cts., $\frac{1}{4}$ oz. \$1.

COLLECTION: One pkt. each of the 5 colors, \$1

Mixed. A superb mixture of our own saving, giving an equal proportion of all colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Single. Mixed. A superfine mixture of all colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Hunnemannia (Giant Tulip Poppy)

Fumariæfolia. Best annual Poppy for cutting. Plants 2 feet high, with feathery foliage, bearing large buttercup-yellow flowers all summer. Sow in drills $\frac{1}{2}$ inch deep in May. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Iberis (Hardy Candytuft)

Sempervirens. One of the earliest-blooming hardy perennials. Bears myriads of pure white flowers very early in spring. Fine for rock-gardens. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.

Kochia (Burning Bush)

Trichophylla Childsii. Hardy annual. Excellent temporary hedge-plant. Height 2 to $2\frac{1}{2}$ feet. Bushy and oval, with bright green, fern-like foliage in spring and summer, turning to brilliant glowing autumn-red in the fall. Sow seed in drills $\frac{1}{4}$ inch deep and thin out to 18 inches apart. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Pakro Double Stock-Flowered Larkspur

A superb strain of Annual Larkspur unsurpassed for bedding and cutting. Height $1\frac{1}{2}$ to 2 feet. Plants bushy, with beautiful fern-like foliage. Blooms borne on spikes held above foliage, somewhat resembling the perennial Larkspur but not so long.

Dark Blue, Flesh, Light Blue, Rose, and White. Each, pkt. 15 cts., $\frac{1}{4}$ oz. 40 cts.

COLLECTION: One pkt. each of the 5 colors, 60 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Lathyrus latifolius

Perennial Sweet Pea

Most satisfactory for covering fences, banks, stumps, etc. Blooms all summer. Flowers are pink and white and same shape as annual sweet peas but slightly smaller. Pkt. 20 cts., 3 pkts. 50 cts., $\frac{1}{4}$ oz. \$1.

Lavandula (True Lavender)

Vera. Hardy perennial. The true old-fashioned sweet-scented Lavender. Very easily grown and, once established, lasts for years. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts.

Linaria

Kenilworth Ivy

Cymbalaria. One of the finest trailing annual plants for hanging-baskets or window-boxes. Flowers are small, very dainty, and lilac colored. Start in flats in very shallow drills. Pkt. 15 cts., 2 pkts. 25 cts.

Lobelia

Erinus compacta. Dwarf-growing annual bearing myriads of pretty little blue flowers. Fine for bedding and window- or porch-boxes. Sow seed indoors in March or April in shallow drills or outdoors after danger from frost is past. Pkt. 10 cts., $\frac{1}{4}$ oz. \$1.

Lupinus (Lupine)

Annual Varieties. One of the finest annuals for mixed borders or cut-flowers. Height 2 feet. Bears long spikes of sweet pea-shaped flowers. Sow seeds in drills $\frac{1}{2}$ inch deep.

Deep Blue, Sky Blue, Rose, and White. Each, pkt. 20 cts., $\frac{1}{4}$ oz. 40 cts.

COLLECTION: One pkt. each of the 4 colors, 60 cts.

Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Polyphyllus Varieties. Hardy perennial. Bloom in May and June. Height 3 feet. Colors are white, blue, and rose. **Mixed.** Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts.

Lychnis

Chalcedonica (Jerusalem Cross). Hardy perennial. Brilliant scarlet flowers borne in flat heads above the foliage during June and July. Height 2 to 3 feet. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts.



Double Larkspur



Kochia Border

Marigolds

Almost indispensable where a rich display of blooms is desired. One of the easiest annual flowers to grow and one of the few not attacked by insects or plant diseases. Plant seed outdoors in May, in drills $\frac{1}{4}$ inch deep; thin out to stand 2 feet apart for the African and 1 foot apart for the French varieties.

AFRICAN DOUBLE VARIETIES. Three to 4 feet high, with bushy candelabra-like growth; strong stiff stems and stalks. Flowers borne on long stems; excellent for cutting. Blooms all summer.

Double Orange Ball. Large, full double, pompon-like deep orange blooms. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Double Lemon Ball. Large, full double, pompon-like clear lemon-yellow blooms. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Double Mixed. Pkt. 10c., $\frac{1}{4}$ oz. 35c., oz. \$1.

New Dwarf Double African Orange Prince. Plant is symmetrical and bushy in shape, 2 feet high. Blooms are of same remarkable size as those of the tall Orange Ball and are borne profusely. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.

FRENCH DOUBLE VARIETIES.

Dwarf Mixed. Bushy growth, $1\frac{1}{2}$ feet high, literally covered with small semi-double blooms on short stems from midsummer until frost. Colors, mixtures of brown and yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Little Brownie (Legion of Honor). Slightly dwarfier growth than the above and blooms are single. Petals yellow on edges, shading to rich mahogany-red at centers. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Marvel of Peru (Four o'Clock)

Bushy annual, 18 to 20 inches in height, bearing a profusion of trumpet-shaped blooms in many colors from July until killed by frost. Sow seed in early May in drills $\frac{1}{2}$ inch deep. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Matricaria (Feverfew)

Capensis alba plena. Annual for bedding or borders. Covered with pure white double flowers all summer long. Sow in drills $\frac{1}{4}$ inch deep where plants are to bloom. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.



African Marigold, Orange Ball

Mignonette

Annual. There is nothing that gives such delicate fragrance to a garden as Mignonette. Sow outdoors where they are to bloom, in drills $\frac{1}{4}$ inch deep, after danger from frost.

Defiance. Large-flowering. In our opinion the finest Mignonette. Spikes 12 to 15 inches long; individual flowers large and exquisitely sweet scented. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Grandiflora. Spikes small but very sweet scented. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Morning-Glory

Imperial Japanese. Still supreme for covering fences and trellises. Sow the seed where the plants are to bloom, after all danger from frost is past. Soak seeds in warm water for a few hours before planting. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.

Giant-Flowering Nasturtiums

One of the most brilliant as well as useful of decorative climbing annuals, often used for covering unsightly fences or trailing over rocks; also for window-boxes and indoor culture in winter. Only a moderately good soil in well-drained sunny situation is needed. Plant the seeds in drills 1 to 2 inches deep after danger from frost is past.

TALL VARIETIES. Grow quickly and soon reach the height of 8 to 10 feet. Foliage luxuriant, flowers bloom all summer.

Crimson. Rich deep crimson.

Yellow. Bright yellow.

Scarlet. Glowing scarlet.

Each, pkt. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Mixed. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

DWARF VARIETIES. Make excellent borders or ribbon beds and as good cut-flowers as the tall varieties.

Crimson. Rich deep crimson.

Yellow. Bright yellow.

Scarlet. Glowing scarlet.

Each, pkt. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts.

Mixed. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.



Giant-Flowering Nasturtiums

Nemesia

Dwarf Large-flowering Hybrids. Annual.

Plants about a foot high, bushy, and bear orchid-like flowers in a very wide range of colors. Sow seed indoors in March in very shallow drills. Pkt. 15 cts., 2 pkts. 25 cts.

Nicotiana

Tuberose-flowered Tobacco

Affinis. Annual. Two to 3 feet tall with large leaves. Bears profusion of white tuberose-like fragrant flowers. Plant outdoors in May in drills $\frac{1}{4}$ inch deep. Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts.

Nigella (Love-in-a-Mist)

Damascena. A unique summer annual. Blue and white flowers with fairly long stems in the midst of misty-looking foliage. Sow in May in drills $\frac{1}{4}$ inch deep. Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts.

Pakro Giant Trimardeau Pansies

Pansies are easily one of the most charming of our hardy bedding annuals and the Pakro strain is exceptionally fine. Seed planted in the early spring will bloom in June and continue until heavy frost. Plant in well-prepared seed-bed in drills $\frac{1}{4}$ inch deep. When large enough, transplant to their permanent position, where they should be from 3 to 6 inches apart each way.

Golden Queen. Pure golden yellow.

Royal Blue. Rich deep blue.

Lord Beaconsfield. Purple shading to white.

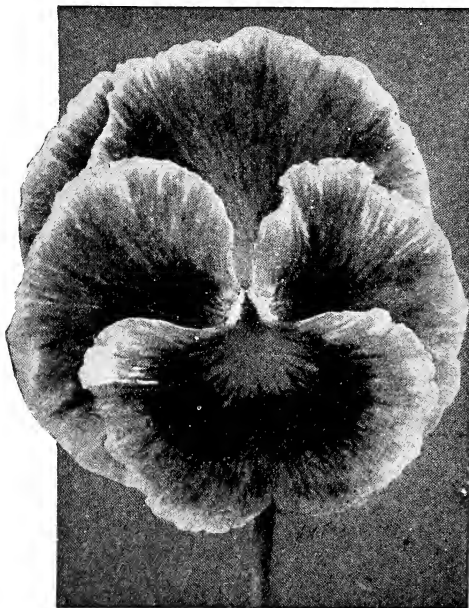
Snow Queen. Purest snow-white.

Adonis. Clear lavender-blue.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. \$1.25

COLLECTION: One pkt. each of the 5 colors, 60 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. \$1. oz. \$3.50.



Pakro Giant Pansy



Nigella

Petunias

Always a most satisfactory annual to grow in beds, borders, or window-boxes, with few equals in range of delicate and gorgeous color effect. Sow in very shallow drills as early in the spring as ground can be worked, or indoors in flats. Transplant when danger from frost is past.

Balcony Blue, Balcony Pink, and Balcony White. Each, pkt. 25 cts., $\frac{1}{8}$ oz. \$1.

COLLECTION: One pkt. each of the 3 colors, 60 cts.

Ruffled Giant. A superb strain of Giant Petunias with deeply ruffled blooms 4 to 5 inches across. Colors are rich and full and delicately veined throughout. Mixed, pkt. 50c.

Hybrids. A fine mixture of all bedding types. **Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts.

Physalis

Franchetti (Chinese Lantern Plant). Charming and unique hardy perennial with highly decorative fruits in fall. Much used in winter bouquets. Blooms first year if sown early. Pkt. 25 cts., 3 pkts. 60 cts.

Phlox

Drummondii grandiflora. One of the best annuals for combining, in borders with other flowers or for ribbon beds. Plants 1 foot high and covered until frost with heads of exquisite pink, white, yellow, and purple flowers. Sow as early in spring as ground can be worked, in drills $\frac{1}{4}$ inch deep.

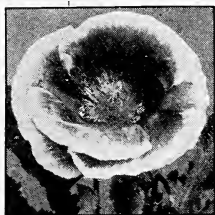
Deep Rose, Primrose, Scarlet, Shell-Pink, and Snow-white. Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

COLLECTION: One pkt. each of the 5 colors, 60 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$1.75.

Decussata. Hardy perennial. One of the easiest hardy plants to grow and care for. Height 2 feet, with large flower-heads on top of each stalk and smaller heads at ends of branches. Blooms practically all summer. Colors white, pink, and blue.

Mixed. Pkt. 15 cts., $\frac{1}{8}$ oz. \$1.



Shirley Poppy



California Poppies

Poppies

California (*Eschscholtzia*). A bed of these large saucer-shaped annual flowers in various shades of yellow, red, and orange gives a brilliant color effect. Seed should be planted early in spring, in drills $\frac{1}{2}$ inch deep.

Chrome Queen. Chrome-yellow.

Geisha. Scarlet outside, orange inside.

Carmine King. Carmine-crimson.

Alba. Pure white.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

COLLECTION: One pkt. each of the 4 colors, 30 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Shirley Mixed. These single annual Poppies have a grace and airiness found in no other flowers. The Pakro strain contains all different shades of pink, red, and white. Sow in very shallow drills. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Double Carnation-flowered. Poppies for cut-flowers! This wonderfully colored double annual Poppy will keep for several days in water. Large pink flowers are full double, delicately fringed at edge of petals. Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Oriental. Hardy perennial. The bright, glowing scarlet of Oriental Poppies has no equal in either annual or perennial flowers. Plants are quite dwarf and bear the scarlet blooms well above the foliage. Bloom in May. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Portulaca

Excellent for making low beds where masses of color are desired. Will grow where other flowers will not; especially useful on banks and terraces. Sow thinly in shallow drills or broadcast and rake in.

Single Mixed. All the finest single varieties in a superb mixture. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Double Mixed. All the finest double varieties in a superb mixture. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.50, oz. \$.55.

Pueraria

Thunbergiana (Japanese Kudzu Vine). One of the finest and quickest-growing hardy perennial climbing plants. Grows 8 to 10 feet first year and when established will grow from 30 to 40 feet a year. Blooms in August. Flowers on long racemes, are sweet pea-shaped and of deep rosy purple. Pkt. 10c., $\frac{1}{4}$ oz. 35c.

Pyrethrum (Painted Daisies)

Hybridum. Easily grown hardy perennial with large daisy-like flowers. Colors vary from pink to red. Blooms May and June and again in fall. Pkt. 25 cts., $\frac{1}{8}$ oz. 50 cts.

Ricinus

Zanzibarensis (Castor Oil Bean). Annual. The immense tropical foliage of Castor Oil Beans makes them very useful as specimen plants for centers of large beds. Soak seed in water over night before planting. Plant outdoors after danger from frost is past. Pkt. 10 cts., oz. 30c.

Salpiglossis (Painted Tongue)

Emperor. A most unique and beautiful annual cutting or bedding flower. Plants 2 feet tall with blooms shaped somewhat like petunia. Colors range from white to scarlet and all are delicately veined with gold. Start indoors in March in shallow drills. **Mixed.** Pkt. 15 cts., $\frac{1}{4}$ oz. 65 cts.

Salvia (Scarlet Sage)

Splendens. A striking and distinctive tall annual bedding plant. Plants bushy and covered with spikes of brilliant scarlet blooms that keep the garden bright until frost. Sow seeds indoors or in a hotbed and transplant to the open after frost. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts.

Bonfire. Annual. More compact and bushy than Splendens. About 2 feet high and 2 feet in diameter. Brilliant scarlet blooms held well above dark green foliage. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.50.

Farinacea. Hardy perennial best treated as an annual. Plants 3 to 4 feet high and 8 to 10 inches in diameter, bearing long spikes of enticing silvery blue flowers. Plant seeds indoors in February and transplant to their permanent position when danger from frost is past. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.

Scabiosa

Caucasica. Hardy perennial. Practically same form of flowers as annual Scabiosa but not so double. Soft lavender-blue flowers which bloom all summer. Plants three feet high. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.

Columbaria. Hardy perennial. Beautiful new novelty. Plants are about 20 inches high. Flowers freely produced on long stems about $2\frac{1}{2}$ inches in diameter and beautiful deep rosy mauve in color. Will blossom first year if planted early in the spring. Pkt. 50 cts., 3 pkts. \$1.

Annual Varieties. Old-fashioned "Mourning Bride" greatly improved. One of finest annuals for cut-flowers, comprising a wide range of beautiful colors. Plants 2 feet high, with flowers on 10- to 14-inch stems. Plant as soon as the ground can be worked, in drills $\frac{1}{4}$ inch deep.

Azure Fairy (Light Blue), **Crimson**, **Flesh-Pink**, **King of the Blacks**, **Rose**, and **White.** Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

COLLECTION: One pkt. each of the 6 colors, 75 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Scarlet Runner Bean

Annual climber. Flowers and food at the same time. Blossoms bright scarlet, sweet pea-shaped, and borne on long racemes. Flowers followed by beans of finest quality, either as snap or shelled beans. Plant in drills 2 inches deep after weather has become settled. Pkt. 10 cts., oz. 20 cts.

Schizanthus**Butterfly Flower**

Wisetonensis. Dwarf bushy annual 18 inches high. Completely covered with small blossoms in varying colors. Blooms early. Much used as pot-plants. Sow out of doors in drills $\frac{1}{8}$ -inch deep as soon as weather has become settled. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts.

Shasta Daisy**Chrysanthemum maximum**

Quite like the field daisy, now the Official Flower of the American Legion, but with much larger and finer blooms. One of the easiest hardy perennials to grow; will flower the first year from seed. Sow seed same as other hardy perennials. Pkt. 25 cts., $\frac{1}{4}$ oz. 50 cts.

Smilax

Beautiful conservatory or greenhouse climber with bright glossy green foliage. Sow seeds in drills $\frac{1}{4}$ inch deep. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Statice

Latifolia (Sea Lavender). Hardy perennial. One and one-half to 2 feet high. Flowers light steel blue and resemble perennial gypsophila. Blooms during July and August. If cut and dried, lasts well through the winter. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Stokesia (Cornflower Aster)

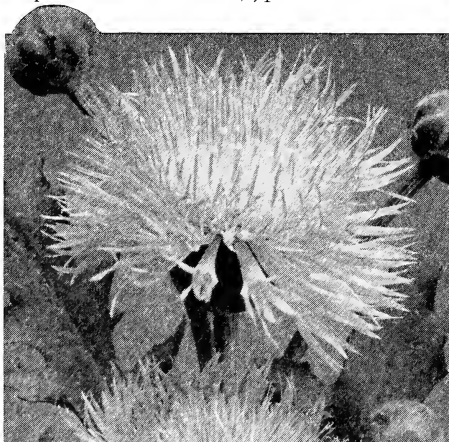
Easily grown hardy perennial. Blooms in September and resembles the annual bachelor button. Fine cut-flowers.

Cyanea. Clear sky blue. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Cyanea alba. Pure white. Pkt. 20 cts., $\frac{1}{4}$ oz. 60 cts.

Sweet William**Dianthus barbatus**

Pretty hardy perennial with flower-heads somewhat similar to hardy phlox, but not so large and more flat. Colors range from white to deep scarlet. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts.



Giant Sweet Sultan



Single Sunflowers

Stocks

Beauty of Nice. Very popular, both for bedding and for pot culture, and easily grown. Plants dwarf, with flowers on spikes above foliage. Plant outdoors when weather has become settled. Sow seed in drills $\frac{1}{8}$ inch deep.

Blood Red, Light Blue, Pink, Purple, White, and Yellow. Each, pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts.

COLLECTION: One pkt. each of the 6 colors, 75 cts.

Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts.

Ten Weeks Double. Especially good for bedding. **Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

Sunflowers

These hardy annuals will grow in practically any soil. Sow outdoors after frost.

Single. Single flowers of a smaller type than old-fashioned kind. Individual flowers graceful and resemble mammoth yellow daisies. Excellent for cut-flowers. **Mixed,** pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Chrysanthemum-flowered. Decided improvement over old-fashioned single Sunflower. Mammoth dandelion-like flowers, borne on stalks from 6 to 8 feet high. Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Mammoth Russian. Standard tall Sunflower, growing 12 to 15 feet in height. Used as wind-breaks, also for bean-poles by planting two or three seeds in each hill of beans, later thinning out to one Sunflower plant to support the beans. Seed used for chicken and parrot feed. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Giant Sweet Sultan**Centaurea imperialis**

Annual. Plants strong and bushy, about 2 feet high and bear thistle-like fragrant flowers on long strong stems. Best as an early summer flower. Sow as early as the ground can be worked, in drills $\frac{1}{4}$ inch deep.

Rose, Lavender, Lilac, Purple and White. Each, pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

COLLECTION: One pkt. each of the 5 colors, 40 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Pakro Sweet Peas

Giant-Flowering Spencer

These beautiful and popular flowers are easy to grow by even the most inexperienced if the following simple directions are carefully followed. Prepare soil as early in spring as possible and dig in plenty of well-rotted manure. Make drills 3 inches deep and sprinkle a little bone meal in bottom (about a handful for 5 feet). Pull in a little dirt from sides so that bone meal is barely covered. Then sow seeds, not too thickly (one every 2 inches is sufficient), and when plants are firmly established thin out so they stand 6 inches apart. Keep soil well loosened at all periods of growth. When 6 inches high they should be supplied with support in the way of brush, string, or wire netting. If the green fly (aphis) attacks plants, sprinkle thoroughly with Axfix. The varieties listed below, selected by the foremost Sweet Pea expert in America, include the 15 most beautiful shades and color combinations to be had in the Spencer or Large-flowering type.



Spencer Sweet Pea, Charity

King White. Largest and best white.
Dobbie's Cream. The nearest approach to yellow.
Hercules. Soft rose-pink; very large flowers.
Margaret Atlee. Rose-pink on cream ground.
George Herbert. Rich rosy carmine, deeply waved.
Tangerine. The best orange yet introduced.
The President. Orange-scarlet; largest size.
Illuminator. Glowing cerise-salmon.
Vermilion Brilliant. Deep vermilion-scarlet.
Charity. Rich brilliant crimson.
Warrior. Deep reddish maroon—the darkest Sweet Pea.
Orchid. Best lavender or orchid color.
Mrs. Tom Jones. Bright delphinium-blue.
Blue Jacket. Rich dark navy blue.
Royal Purple. Deep royal purple.

Each, pkt. 15 cts., oz. 35 cts., ¼lb. \$1

COLLECTION: One pkt. each of the 15 colors, \$1.50

Mixed. Pkt. 10 cts., oz. 20 cts., ¼lb. 60 cts., lb. \$2.

Early-Flowering Spencer

A new race of this wonderful flower. Primarily for forcing in greenhouse, but may be used very advantageously outdoors, as they bloom about four weeks earlier than the summer-flowering type, and if the blooms are kept picked, will bloom over a period of four months. Culture is the same as for the regular varieties.

Early Improved Snowstorm. Pure white; very large.
Early Canary Bird. Rich deep primrose.
Early Enchantress. Bright rose-pink.
Early Fordhook Rose. Bright rosy carmine.
Early Flamingo. Orange, suffused salmon.
Early Glitters. Bright orange-scarlet.
Early King. Rich deep crimson.
Early Princess. Lavender, suffused mauve.
Early Blue Bird. Clear light blue.
Early Blue Jacket. Dark navy blue.
Early Maroon Prince. Glowing reddish maroon.
Early Yarrowa. Rose-pink on cream ground.

Each, pkt. 15 cts., ¼oz. 25 cts., oz. 75 cts., ¼lb. \$2.50

COLLECTION: One pkt. each of the 12 colors, \$1.25

Grandiflora Mixed

The old standard sort—strong, vigorous growers and covered with flowers which, though smaller than the Spencer type, are very pretty and even more popular with many gardeners. Pkt. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. \$1.50.

Six Essentials for Best Success with Sweet Peas

1. Good seed.
2. Rich soil, deeply dug.
3. Early sowing.
4. Early staking.
5. Frequent stimulation to insure healthy, rapid, and continuous growth.
6. Frequent use of hoe or cultivator to keep soil loose and porous.

America Sweet Pea Collection

30 cts., postpaid

Charity. The deepest red.

King White. The largest white.

Mrs. Tom Jones. The finest blue.

These three varieties lend themselves to so many color schemes and are so popular that we offer a Special Collection of 3 packets (a full sized packet of each) for 30 cts. postpaid.

Verbena

Pakro Mammoth Verbenas are of low-spreading growth. Particularly effective and popular for borders, bedding, and window- or porch-boxes; bear large clusters of showy flowers in many colors all summer long. Start seed indoors in March or April, or outdoors in May in drills $\frac{1}{4}$ inch deep. Annuals.

Blue, Pink, Purple, Scarlet, and White. Each, pkt. 15 cts., $\frac{1}{4}$ oz. 85 cts.

COLLECTION: One pkt. each of the 5 colors, 60 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 65 cts.

Royal Bouquet. New Verbena that, instead of trailing, grows upright in the form of a bush 15 to 18 inches high and 10 inches across. Blooms are borne on long stems just above foliage with wide range of colors. Pkt. 50 cts., 3 pkts. \$1.

Veronica (Speedwell)

Spicata. Hardy perennial with bushy foliage, bearing long narrow spikes of delicate sky-blue flowers on long stems. Exceptionally pretty for borders and for cutting. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.

Spicata alba. White form of the above. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.

Viscaria

Tom Thumb Rosy Gem. Annual. A charming, new, very dwarf variety that should prove to be a decided acquisition for dwarf borders, bedding, rockeries, and window-boxes. Compact and very dwarf. Flowers resemble vincas and are a lovely shade of bright carmine-rose. Blooms in great profusion from early spring until killed by frost. Pkt. 35 cts., 3 pkts. 75 cts.



Pakro Giant Double Zinnia

All-in-One Wild Garden Mixture

Flower-gardening with separate varieties is oftentimes tedious work, and some home gardeners are at a loss to know just what to plant. Also, there are often odd spaces that, although we would like to cover up with plants of some kind, we do not know just what would grow. To take care of the above circumstances, we offer a mixture of the "easiest to grow" flowers—a mixture that may be spread broadcast on a bare spot or along a fence and raked in with the absolute certainty that flowers will grow. We have so combined this excellent mixture of the various sorts that no matter where you sow you are sure of having at least four or five different varieties in bloom all summer long and we recommend it to all those flower-lovers who wish an attractive flower-bed with least amount of labor and care. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Wallflower

Paris Extra-Early. Delightfully fragrant early spring-blooming half-hardy perennial. Blooms first year from seed started indoors in March in shallow drills. Pkt. 15 cts., $\frac{1}{4}$ oz. 40 cts.

Wild Cucumber Vine

Echinocystis lobata

The most rapid-growing annual climber. Quickly covers such unsightly objects as rubbish piles, old stumps, and stone piles. Flowers are white and inconspicuous, but foliage is very heavy and rich deep green. Sow seeds $\frac{1}{4}$ inch deep as soon as weather has become settled. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Zinnia (Youth and Old Age)

Dahlia-flowered. Annual. A distinctive new strain of this old-time favorite is the result of many years of selection and hybridizing. The flowers are of very large size, their shape closely resembling the "decorative" dahlias; many of the shades are entirely new. The plants are tall and produce their flowers freely. The flowering season lasts from July until frost.

Buttercup. Deep buttercup-yellow.

Canary Bird. Delicate primrose-yellow.

Crimson Monarch. Deep crimson flowers as large as 8 inches in diameter.

Illumination. Deep rose.

Polar Bear. Pure white; very large.

Scarlet Flame. Beautiful bright scarlet.

Each, pkt. 20 cts., $\frac{1}{8}$ oz. \$1.25

COLLECTION: One pkt. each of the 6 colors, \$1

Mixed. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts.

Giant Double. Annual. A superb large-flowering strain. Plants strong and vigorous, usually over 3 feet high. Blooms from mid-summer until frost. Start seed indoors in boxes in drills $\frac{1}{4}$ inch deep and transplant to the open ground when the weather has become settled. May also be started outdoors in May.

Cream, Crimson, Flesh, Scarlet, White and Yellow. Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

COLLECTION: One pkt. each of the 6 colors, 75 cts.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.

Dwarf Double. Annual. Dwarf bushy variety with blooms as large as the Giant Doubles. Especially useful for borders and beds with other dwarf-growing plants.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.

I have had great success with your seeds, particularly asters last fall, and I would like you to put me on your mailing list. Mrs. STANLEIGH C. DAVIS, Brooklyn, N. Y.

Perennial Plants for an All-Time Garden

By careful selection of varieties and judicious planting your hardy garden can be made a "joy forever"—one that will be a riot of glorious color from early spring until late fall, and each new spring it will seem more gorgeous than the last.

Such a garden is within the reach of everyone. If you are just starting a hardy garden, we would advise that you buy both seeds and plants of the varieties selected, using the plants as a foundation for placing the different varieties and sowing the seeds in a well-prepared seedbed in a corner of your garden. Fill in the spaces between the hardy plants with easily grown annuals, such as poppies, bachelor buttons, calliopsis, etc., and when the perennial seedlings are ready to transplant in the fall, remove the annuals and group your new perennials around the foundation plants. In this way you may have a hardy garden that will look well from the very first and at a very reasonable cost.

Our list includes the very best of the easy-to-grow varieties and we ship strong field-grown plants only.

We advise shipment by express, but will ship by parcel post if sufficient postage is remitted with order to defray charges.

CULTURE. Immediately upon receipt of plants unpack them and, if possible, plant at once in a well-spaded and fertilized bed. Make holes large enough so that roots may be spread out; crowns of plants just above surface of soil. Be sure to firm soil around the roots. Soak thoroughly with water and, if the weather is very hot, shade until the roots have established themselves. If unable to plant at once, unpack, put in a cool place and keep the roots (not foliage) moist.

Price, all plants except where otherwise noted, 25 cts. each, \$2.50 per doz., \$18 per 100

ACHILLEA millefolium rubra (Rosy Milfoil). Deep green fern-like foliage. Flowers borne in pink heads well above foliage. Blooms all summer. 18 inches.

A. ptarmica, The Pearl. Flowers small and white borne in heads above foliage. Blooms from July to frost. 2 feet.

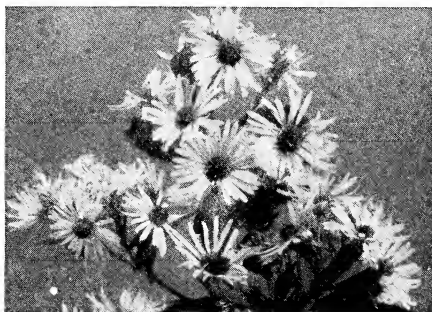
ALYSSUM saxatile compactum (Golden-tuft). Bright yellow heads of flowers in April and May. Fine for rock-gardens. 1 foot.

ANCHUSA italica, Dropmore. (Bugloss.) Flowers are deep gentian-blue, borne on spikes. Blooms May and June. 3 to 5 feet.

ANTHEMIS tinctoria Kelwayi (Golden Marguerite). Golden yellow daisy-like flowers. Blooms all summer. 2 feet.

AQUILEGIA, Long Spurred Hybrids (Columbine). Plants dwarf with foliage somewhat like maiden hair fern. Handsome flowers of many colors on spikes above foliage. Blooms from May until July. 10 inches.

A. caerulea (Rocky Mountain Columbine). Same as above with bright blue and white flowers. 10 inches.



Hardy Asters

HARDY ASTER (Michaelmas Daisy). A superb companion for hardy chrysanthemums, blooming late in fall. Plants bushy and covered with small daisy-like flowers.

A. Snow Queen. Pure white; very fine.

A. Beauty of Colwall. Ageratum-blue; flowers semi-double.

BELLIS perennis (English Double Daisy). Blooms early in the spring. Pretty pink and white full double flowers. Very dwarf.

BOLTONIA asteroides. Foliage same as Hardy Aster with large single pinkish white flowers from August to October. 4 to 5 feet.

B. latisquama nana. Same as above, with pink, slightly tinged lavender flowers. 4 to 5 ft.

CAMPANULA persicifolia (Peach Bells). Showy flowers of blue and white resembling the single Campanula. 2 feet.

C. Medium calycanthema (Cup-and-Saucer Canterbury Bells). Similar to above, but individual blooms are larger, with enlarged calyx which makes them resemble miniature cups and saucers. Colors: Rose, white and blue. 2 feet.

CONVALLARIA majalis (Lily-of-the-Valley). Flowers small, white, bell-shaped, and borne pendent on spikes above foliage. Clump 50c., doz. \$5.50. Very dwarf.

COREOPSIS lanceolata grandiflora. Handsome deep orange-yellow cosmos-like blooms all summer. 2 feet.



Aquilegia

Hardy Chrysanthemums

No other flower can compare with hardy "Mums" for late fall blooms. Flowers that are open may be killed by a heavy early frost, but those that are in the bud will open as soon as the weather becomes mild again, and very often continue blooming until Thanksgiving Day. Do not plant where water lies and freezes in winter. We offer following colors in both the **Pompon** and **Button** types: **White, pink, rose, red, yellow, and bronze.** 20 cts. each, \$2 per doz., \$15 per 100.

Hardy "Mum" Collections

To those of our customers who wish a showing of "Mums" in a variety of colors, we offer the following specially priced collections, varieties our selection:

Two each of six colors	\$2 00
Four each of six colors	3 75
Six each of six colors	5 50

Pakro Delphiniums

Always popular and so easy to grow and care for that no garden should be without them. Exquisitely beautiful, free from disease and insect pests, and absolutely hardy. What more can be asked of any flower?

English Hybrids. Flower spikes are exceptionally long and covered with blooms of largest size. Besides the light and dark blue shades, there are included many of the most beautiful combinations of lavender, rose, and mauve. 3 to 5 feet. 35 cts. each, \$3.50 per doz.

Selected English Hybrids. A superb strain of above. 75 cts. each, \$7.50 per doz.

Belladonna. Everblooming, clear, sky-blue Delphinium. Spikes 1 to 2 feet long, well covered with blooms.

Bellamosa. Similar to Belladonna in growth and habit, but with dark navy blue flowers.

DIGITALIS Gloxiniaeflora (Foxglove). Plants dwarf and bushy, sending up flower stalks 4 to 6 feet high from the center. Blooms during June and July and, if stalks are cut back before they go to seed, will bloom again in the fall. 10 to 14 inches.

EUPATORIUM caelestinum. Bears very pretty blue flowers, much resembling ageratum, from August until frost. 3 feet.



Japanese Iris



Hardy Chrysanthemums

FORGET-ME-NOT (*Myosotis palustris semperflorens*). True early spring-blooming Forget-me-not. Fine for massing along small streams or in moist places. Very dwarf.

GAILLARDIA grandiflora (Blanket Flower). Flowers daisy-shaped with rounded centers. Center of petals rich mahogany-red, tips yellow. Blooms all summer. 1½ to 2 feet.

GYPSOPHILA paniculata (Perennial Baby's Breath). Foliage fern-like, covered with tiny white flowers on hair-like stems, giving pretty light and misty appearance. 2 feet.

HIBISCUS militaris (Marshmallow). Large single saucer-like blooms. Colors pink and white. Blooms all summer. 5 to 6 feet.

HOLLYHOCKS. Let stately Hollyhocks define the sky line of your garden and forecast its beauties over hedge and fence. With their wonderful reds, yellows, and whites, they are fit companions for delphiniums and just as easy to grow. Spikes 4 to 6 feet high with blooms opening successively from bottom to top. We have both the Double and Single varieties in **white, rose, red, maroon, and yellow.**

Iris

No flower returns surer garden satisfaction than the Bearded Iris or Fleur-de-lis as it is often called. Easy to grow and free-blooming, it provides the garden with masses of magnificent blooms during late spring and early summer.

Germanica. Blooms in May and June. We offer extra-strong roots in following colors: **White, light lavender, light purple, dark blue, yellow, and mixed.** 1 to 1½ feet.

Japanese. Larger flowers and larger plants than Germanica, with blooms a little later. Our stock for this year is extra-fine and includes the following named varieties. 3 feet. 35 cts. each, \$3.50 per doz.

Blue Jay. Blue and white.

Fratte. Spotted blue and white.

J. C. Vaughan. Pure white.

Hosogawa. Deep purple with white veinings.

Oyodo. Deep purple.

Komochiguma. Wine-red with white throat.

Shippo. Light lilac, veined purple.

Shuchui-no-hana. Crimson-purple, white veins.

LUPINUS polyphyllus. Very effective as tall group plants in protected corners. Pink, white, and blue pea-shaped flowers on long spikes. Foliage rich dark green, very ornamental. Blooms May to September. 3 feet. 35 cts. each, \$3.50 per doz.

Perennial plants 25 cts. each, \$2.50 per doz., \$18 per 100, except as noted

LYCHNIS chalcedonica (Jerusalem Cross). Flowers in large flat heads, same color as oriental poppies and bloom just a little later. 3 feet. 30 cts. each, \$3 per doz.

MONARDA (Bergamot). **Cambridge Scarlet.** Foliage is aromatic. Brilliant crimson-scarlet flowers held in heads above the foliage. Blooms in July and August. 2 to 3 feet.

Pakro Phlox

One of the most popular of the Hardy Perennials. They do well in almost any soil and furnish a riot of color through a long season. Should be planted at least 2 feet apart as they are of bushy growth. 2 to 3 feet. We offer the following fine named varieties together with a splendid mixture:

Anne Cook. Delicate flesh-pink.

Eclairer. Dark brilliant carmine.

Europa. White with deep crimson eye.

Fernand Cortez. Carmine with crimson eye.

Lumineux. A charming China Rose pink.

Rheinlander. Beautiful salmon-pink. Flower trusses very large.

Wanadis. Violet and white with deep purple eye.

30 cts. each, \$3 per doz.

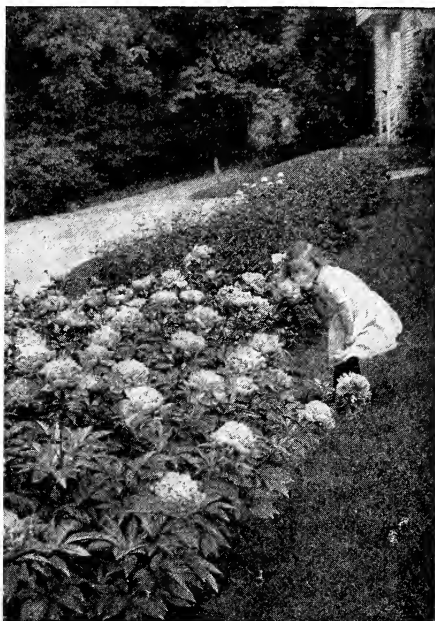
Mixed. 25 cts. each, \$2.50 per doz.

PHLOX DIVARICATA Laphamii. A pure gentian-blue Phlox unsurpassed as a border plant. Blooms from May until July, and is the only flower of this rare and beautiful color blooming at this season. 15 to 18 inches. 30 cts. each, \$3 per doz.



Oriental Poppy

PACHYSANDRA terminalis. Dwarf, trailing, 6 to 8 inches high. Bright glossy green foliage covered with small flowers in May and June. A fine cover plant in either sun or shade.



Herbaceous Peonies

Herbaceous Peonies

Peonies are absolutely hardy and the clumps increase in size and beauty each year. They do well in practically any good soil and once established need no further care other than cutting off dead foliage in the fall. In order to keep the price of these wondrous flowers reasonable we offer them by color only and feel sure that they will prove as satisfactory as the higher priced named varieties.

White, pink, and red. 60c. each, \$6 per doz.

All colors mixed, 50 cts. each, \$5 per doz.

POPPY, Oriental. Bright crimson-scarlet poppy flowers on long stems. Blooms in May. 2 to 3 feet.

PHYSOSTEGIA virginica (False Dragon-head). Pale pink tube-like flowers not unlike heather but larger, on showy bushes. 4 to 6 feet.

PYRETHRUM hybridum (Painted Daisy). Flowers resemble the common field daisy. Practically all colors from white to deep red are included. Blooms in June. 2 feet.

RUDBECKIALaciniata (Golden Glow). Double daisy-like yellow flowers from July until frost. Bushy plants. 6 to 8 feet.

R. purpurea (Purple Coneflower). Also called Red Sunflower. Flowers on long stiff stems with a single row of purplish red petals and a large round cone in the center. 4 to 5 feet.

SALVIA azurea grandiflora (Meadow Sage). Long slender spikes of beautiful light blue flowers in June and July. 3 to 4 feet.

I tried some of your seed last year and was greatly pleased with the results I secured in this, an irrigated country.—A. E. FELTON, Jerome, Idaho.



Veronica in perennial border

Price, any of the above except where noted, 25 cts. each, \$2.50 per doz., \$18 per 100, by express. Please add postage if wanted by parcel post

Big-Six Hardy Perennial Plant Collection

Six of the most hardy and easy to grow Perennials needed in every garden

ANCHUSA ITALICA

GAILLARDIA GRANDIFLORA

CAMPANULA CALYCANTHEMA

HARDY PHLOX

DOUBLE HOLLYHOCK

ORIENTAL POPPY

One plant of each \$1.25, 2 plants of each \$2.50, 4 plants of each \$4.75, 6 plants of each \$6.50, 12 plants of each \$12

Cannas, Tuberose and Caladiums

CANNAS. One of the most effective and strikingly beautiful of large bedding plants. Does well in practically any soil, but more than repays in brilliant foliage and bloom for a little extra care and fertilizer. Plant roots with eye just above ground 2 feet apart after danger from frost.

Crimson Bedder. Intense crimson, green foliage.

Gladiiflora. Crimson, edged with gold; green foliage.

King Humbert. Scarlet; bronze foliage.

Venus. Rosy pink; green foliage.

Yellow King Humbert. Deep rich yellow; green foliage.

Any of the above, 20 cts. each, \$1.50 per doz., \$10 per 100, postpaid

TUBEROSE, Double Pearl. Pure white and very fragrant summer-flowering bulb. Fine for cut-flowers. Plant bulbs about middle of May, tops just below ground. Large size bulbs. \$1 per doz., \$7 per 100, postpaid.

T., Mexican Ever-blooming Single. Each bulb produces from 2 to 5 flower spikes in succession through the summer. Flowers pure white and sweet scented. \$1 per doz., \$7 per 100, postpaid.

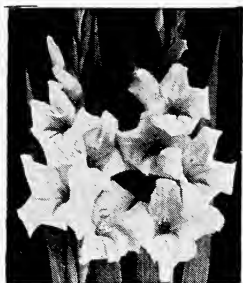
CALADIUM esculentum (Elephant's Ear).

Decorative foliage plants 6 to 10 feet high with large green leaves about the size and shape of an elephant's ear. Large bulbs, 30 cts. each, \$3 per doz., postpaid.



Border of Cannas

WE GUARANTEE SAFE ARRIVAL OF ALL PLANTS BY EXPRESS



Peace

Newest and Best Gladioli

Gladioli easily rank among the most attractive and useful flowers produced from summer-flowering bulbs. They have been called "the Poor Man's Orchid," but we would prefer to call them "Everybody's Orchid" as they are inexpensive enough for even the smallest garden and artistic enough to meet the demands of the most formal garden or conservatory. With a range of color known to no other garden bulb, Gladioli are useful for massing, bordering, or shrubbery work, and for cutting are unexcelled.

Gladioli will grow in any well-drained soil.

Plant bulbs 3 to 4 inches deep and 10 to 12 inches apart. For succession of blooms from August until October, plantings should be made every ten days from April 1 to the middle of June.



America

4 Beautiful New Varieties

Evelyn Kirtland. Deep rosy pink with shell-pink throat. 15 cts. each, \$1.50 per doz., \$12 per 100.

Flora. Beautiful clear golden yellow with very large flowers. This is easily the best yellow we have ever seen. 20 cts. each, \$1.75 per doz., \$13.50 per 100.

Le Marechal Foch. Conceded by all to be one of the finest Gladioli yet produced. Flowers immense and a beautiful shade of light pink. 15 cts. each, \$1.50 per doz., \$12 per 100.

L'Immaculee. Pure white. Spikes almost perfect with many very large flowers open at one time. 20 cts. each, \$2 per doz., \$15 per 100.

Finest Primulinus Hybrids

This superb new type of Gladioli is welcomed by all lovers of flowers. The individual blooms are slightly smaller than the other types, but are more gracefully placed on longer stalks. Colors of this wonderful new variety always include some shade of yellow. Unexcelled as cut-flowers.

Alice Tiplady. Saffron-yellow. Strong and vigorous grower with very large blooms. 20 cts. each, \$2 per doz., \$15 per 100.

Maiden's Blush. Delicate salmon-pink flushed rose. Lasts well in water and opens to the tip bud. 20 cts. each, \$2 per doz., \$15 per 100.

Orange Brilliant. Extra fine, beautiful deep orange. Spikes well-formed, very graceful. 20 cts. each, \$2 per doz., \$15 per 100.

Sunbeam. Pure clear yellow with exceptionally long spikes of well-formed flowers. 20 cts. each, \$2 per doz., \$15 per 100.

Cream of the World's Best Large-Flowering Kinds

Contains the Best of Each Color Class

America. Soft lavender-pink. 60 cts. per doz., \$4.50 per 100.

Baron J. Hulot. Deep violet-blue. \$1.70 per doz., \$12.50 per 100.

Empress of India. Rich dark brown-red. \$1.40 per doz., \$10 per 100.

Halley. Delicate salmon-pink. 80 cts. per doz., \$6 per 100.

Mary Fennel. Light clear lavender. \$1.60 per doz., \$12 per 100.

Mrs. Francis King. Beautiful flame-pink. 80 cts. per doz., \$6 per 100.

Mrs. Frank Pendleton. Rose-pink on white ground with velvety crimson blotch on lower petals. \$1 per doz., \$7.50 per 100.

Niagara. Light primrose-yellow. \$1.10 per doz., \$8.50 per 100.

Peace. White, slightly tinged lavender. \$1.10 per doz., \$8.50 per 100.

Prince of Wales. Clear salmon-pink. \$1.70 per doz., \$12.50 per 100.

Schwaben. Yellow with purple blotch on lower petals. \$1.10 per doz., \$8.50 per 100.

War. Blood-red. \$1.40 per doz., \$10 per 100.

NOTE.—Not less than 6 bulbs supplied at the dozen rate and not less than 50 at the 100 rate

Pakro Fancy Mixtures

Superfine Mixed. Our own strictly high-grade mixture, including many of the best-named sorts in a wide range of colors. 60 cts. per doz., \$4.50 per 100.

Primulinus Hybrids Mixed. All of the best of this superior new type in a mixture that will furnish you a rare garden treat. 80 cts. per doz., \$6 per 100.

NOTE.—Not less than 6 at the dozen rate and not less than 50 at the 100 rate

Mixtures to Color

For those who wish a showing of Gladioli and have a particular color scheme in mind, we offer following mixtures of separate colors:

Rose-Pink Shades. 80 cts. per doz., \$6 per 100.

Scarlet-Red Shades. 80c. per doz., \$6 per 100.

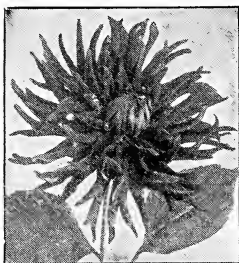
White-Cream Shades. 80 cts. per doz., \$6 per 100.

Yellow Shades. \$1 per doz., \$8 per 100.

Four Each of Six Magnificent Favorites for \$2.50

SPECIAL OFFER: We will send 4 fine large bulbs of each of the following magnificent Gladioli—America (pink), Mrs. Francis King (flame-pink), Schwaben (yellow), Peace (white), War (red), Baron J. Hulot (violet-blue)—anywhere in the United States, charges prepaid, for \$2.50.

OUR GLADIOLI ARE DELIVERED FREE ANYWHERE IN THE UNITED STATES



Cactus Dahlia

Pakro Dahlias

Finest of Fall Flowers

The Dahlia is easily the most popular of fall flowers, and deservedly so because of its ease of culture, wide range of color, and almost unlimited variety of attractive types and shapes.

CULTURE.—Any good garden soil will grow the finest Dahlias, provided they are properly planted and cared for. Place the roots 2 to 3 inches deep and at least 1½ feet apart. When the plants are eighteen to twenty inches high, stakes should be provided for support and the plants tied to them with



Show Dahlia

soft string. Except in seasons of extreme drought, it is better not to water but to preserve the moisture in the soil by frequent and thorough cultivation. If watering is necessary, do it thoroughly so that there will be enough to sink down into the soil at least 2 feet.

Any of the choice varieties included in our list are worthy of a place in your garden. We guarantee our Dahlia roots to be true to name and to grow, and will gladly replace any that fail to meet these requirements.

Cactus Dahlias

Attraction. Delicate lilac-mauve. \$1 each, \$10 per doz.

Austin Connell. Rich deep crimson. \$1 each, \$10 per doz.

Crystal. Deep rose. \$1 each, \$10 per doz.

Country Girl. Salmon-pink. 50 cts. each, \$5 per doz.

George Walters. Salmon suffused gold. \$1.50 each, \$15 per doz.

Kalif. Deep glowing scarlet. \$1 ea., \$10 per doz.

Madame de Lucca. Pure yellow. \$1 each, \$10 per doz.

Winsome. Creamy white. \$1 each, \$10 per doz.

SPECIAL OFFER: One each of the above Cactus Dahlias for \$7, postpaid

Decorative Dahlias

Break of Day. Pale sulphur-yellow. \$1 each, \$10 per doz.

D. M. Moore. Dark maroon. 50 cts. each, \$5 per doz.

Hortulanus Witte. Fine white. 50 cts. each, \$5 per doz.

Insulinde. Orange-bronze tinted salmon. \$2.50 each, \$25 per doz.

King of Autumn. Buff-yellow suffused terracotta. \$1.25 each, \$13 per doz.

Jack Rose. Rich dark crimson. 35 cts. each, \$3.50 per doz.

John Wanamaker. Rose and lavender. 50 cts. each, \$5 per doz.

Manigou. Salmon-pink. 50c. each, \$5 per doz.

Mrs. William Kerr. Deep purple. 50 cts. each, \$5 per doz.

Slocomb's Seedling. Brilliant scarlet. \$1.50 each, \$15 per doz.

SPECIAL OFFER: One each of the above Decorative Dahlias for \$8, postpaid

Peony Dahlias

Dr. Peary. Rich velvety crimson. 75 cts. each, \$7.50 per doz.

Fordhook White. One of the finest whites. 35 cts. each, \$3.50 per doz.

Goliath. Deep red. \$1 each, \$10 per doz.

Geisha. Striped yellow and scarlet. \$1.50 each, \$15 per doz.

Peace. Fine pink. 50 cts. each, \$5 per doz.

Queen Elizabeth. Pale rose. \$1 each, \$10 per doz.

SPECIAL OFFER: One each of the 6 Peony Dahlias for \$4.50, postpaid

Show Dahlias

Eugene Mezzard. Crimson tipped gold. 50c. each, \$5 per doz.

Dreer's White. Pure white. 30 cts. each, \$3 per doz.

Flora Trantor. Pink and blue; very dainty. 50 cts. each, \$5 per doz.

Golden Opportunity. Pure golden yellow. 50 cts. each, \$5 per doz.

Joseph Manda. Lovely lavender-pink. 30c. each, \$3 per doz.

Le Colosse. Crimson. 50 cts. each, \$5 per doz.

Mrs. Kernan. Azure-pink. 50 cts. each, \$5 per doz.

SPECIAL OFFER: One each of the above Show Dahlias for \$2.50, postpaid

Single or Century Dahlias

Adventure. Pinkish crimson splashed maroon. 25 cts. each, \$2.50 per doz.

Blanche. Pale yellow tipped light pink. 25c. each, \$2.50 per doz.

Eckford Century. White streaked and splashed crimson. 25 cts. each, \$2.50 per doz.

Rose-Pink Century. Clear rose-pink. 25 cts. each, \$2.50 per doz.

Wildfire Century. Bright scarlet slightly blended yellow. 25 cts. each, \$2.50 per doz.

Victory. Rich deep wine-crimson. 25 cts. each, \$2.50 per doz.

SPECIAL OFFER: One each of the above Century Dahlias for \$1.25, postpaid

Mixed Dahlias

Many of our customers prefer to buy this wonderful mixture of Dahlias. It is made up from many unnamed seedlings, tubers from which the labels have been lost and surpluses of the standard named sorts. It contains a wide variety of types and colors. 15 cts. each, \$1.50 per doz.

Insurance. Wind and rain will play havoc with well-ordered rows of tall-growing plants if they are not staked. See page 59 for both Wood and Bamboo Stakes.

PAKRO DAHLIAS DELIVERED FREE ANYWHERE IN THE UNITED STATES



Sunburst

Selected Garden Roses

A carefully selected list of the newest and most popular varieties of hardy Hybrid Everblooming Roses. Only those kinds known to give best satisfaction in northern sections of the country have been included and the range of colors offered takes in all the really beautiful and desirable shades. We ship only two-year-old dormant stock with strong, healthy roots.

All Roses are handled and packed by experienced men and we guarantee safe arrival by express, but due to conditions beyond our control, we cannot be responsible after receipt by customer.

Culture.—The best soil to grow Roses is good top soil with well-rotted cow-manure added. Dig bed to a depth of 2 feet or more; provide for drainage if necessary, and fill in with mixture of soil and manure as above. Set plants 1½ to 2 feet apart and 8 inches from the edge of the bed. *They should be planted with the roots well spread out and placed about 9 inches below the surface of the ground, with soil made firm about them and liberally*

watered. During summer the surface soil should be cultivated weekly.

Winter Protection. In northern latitude Roses should be well protected from winter weather. Before freezing sets in, mound the soil around the branches of the plant 8 to 12 inches high and cover with loose material such as strawy manure, leaves, litter or evergreen boughs.

The most serious insect pest that attacks Roses is the rose bug. We recommend the use of Melrosine or O. K. Plant Spray, listed on page 58 of this catalogue as a splendid remedy.

All Roses are shipped by express at customer's expense. If wanted by parcel post, include sufficient postage with remittance

Hardy Everblooming Roses

Price, 75 cts. each, \$7.50 per doz., except where otherwise noted

WHITE

Frau Karl Druschki. The finest white and recently voted the most popular Rose in America by the American Rose Society.

White Killarney. Long-pointed buds of purest white. Very fragrant.

PINK

America. Sensational new Rose with extra-large glowing rose-pink blooms borne on long stems. \$1.50 each, \$15 per doz.

Caroline Testout. Very hardy and vigorous with large satiny rose-pink blooms.

Columbia. Beautiful light clear pink. Free-flowering and mildew-resistant.

Premier. Rich dark pink flowers on long thornless stems. Very fragrant.

YELLOW

Duchess of Wellington. Saffron-yellow, stained crimson. Free-blooming and very fragrant. \$1 each, \$10 per doz.

Mrs. Aaron Ward. Clear yellow and very free-flowering. Blooms all summer. \$1 each, \$10 per doz.

Sunburst. Long buds opening to large full flowers of clear sulphur-yellow.

RED

Crusader. New. Velvety crimson. Strong grower and free-flowering.

General Jacqueminot. The popular "Jack" Rose. Brilliant scarlet-crimson. Very fragrant.

Gruss an Teplitz. Clear crimson-scarlet in bloom from June to frost. Vigorous grower.

COPPERY SHADES

Los Angeles. Flame-pink, toned with coral and shaded with yellow at base of petals, presenting a unique and beautiful color combination from bud to full-blown bloom. \$1.25 each, \$12.50 per doz.

Mme. Butterfly.

Sport of Ophelia.

Brilliant pink, suffused apricot and gold.

Ophelia.

Light salmon-flesh, shading to yellow.

Vigorous

and free-blooming.



Caroline Testout

Baby Rambler or Dwarf Polyantha Roses

Price, \$1 each, \$10 per doz.

Delightful novelties in Roses that are deservedly popular for beds, borders, window-boxes, and pot culture. Plants dwarf and compact. Bloom from early spring until fall; flowers borne in large clusters.

Katherine Zeimet. Pure white; very large clusters.

La Marne. Delicate clear pink.

Louise Walter (Baby Tausendschön). Pink, changing to rosy carmine.

Orleans. Geranium-red, tinted pink.

Climbing or Trailing Roses

Price, 75 cts. each, \$7.50 per doz.

Combining utility and beauty, this type of Roses enjoys increased popularity with each succeeding season, and we are adding several striking new varieties to our this year's list.

Climbing American Beauty. Strong, vigorous grower with many large-sized double blooms. Color American Beauty pink.

Crimson Rambler. Old-time crimson favorite. One of the hardest Climbers.

Dorothy Perkins. One of most popular varieties. Flowers full double and soft shell-pink.

Dr. W. Van Fleet. Long-stemmed pink climbing Rose. Excellent for cutting.

Lady Gay. Large cherry-pink flowers borne in spray-like clusters.

Silver Moon. A vigorous grower with rich deep green foliage. Flower buds long, well shaped, and light yellow, opening to pure white.

Tausendschön. Fine large blooms; open soft pink and turn to carmine on maturity.

ROSES NOT INCLUDED IN ABOVE LIST SUPPLIED ON REQUEST. WRITE FOR PRICES

Insecticides and Fungicides

All insecticides, fertilizers, tools, etc., are priced f.o.b. Madison, N. J., unless otherwise stated. Price by mail is given on all items that can be mailed; all others sent by express or freight at customer's expense.

Aphine. For all kinds of aphids, thrips, and soft scale. Liquid spray not available. Pt. 65 cts., qt. \$1, gal. \$3.

Arsenate of Lead (Dry Powdered). For use as spray or dust for all leaf-eating or chewing insects. Does not injure foliage. Easy to mix. Not available. Lb. 60 cts., 5 lbs. \$2.50.

Axfix. A high-grade nicotine dust not to be confused with Tobacco Dust. Apply as dust for aphids, cucumber beetle, potato beetle, etc. Lb. 50 cts. (60 cts. by mail), 5 lbs. \$1.50 (\$1.75 by mail), 25 lbs. \$6.50.

Black-Leaf 40. Nicotine solution for aphids, red spider, thrip, etc. Not available. Trial size (oz.) 35 cts., 2 lbs. \$4.50, 10 lbs. \$15.

Blight and Bug Mixture. Combined fungicide and insecticide. One pound makes 10 gallons. Not available. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts.

Bordeaux Mixture (Dry Powdered). For all blights and fungous diseases. Not available. Lb. 40 cts., 5 lbs. \$1.75.

Bug Death. Dusting powder for potato bugs, army, cabbage, and tomato worms. Not available. Lb. 25 cts., 3 lbs. 50 cts.

Melrosine. Kills rose bugs by contact. For best results spray daily. Trial size 50 cts. (60 cts. by mail), pt. \$1 (\$1.25 by mail), qt. \$1.75 (\$2.15 by mail), gal. \$6.

Nicofume Tobacco Paper. A slow-burning paper saturated with nicotine for indoor fumigating. One sheet for 2,000 cubic feet of space. 24 sheets \$1.25 (\$1.50 by mail), 144 sheets \$5.50 (\$6 by mail), 288 sheets \$10 (\$10.75 by mail).

Nicotine Fumigator, Hall's. Very high-grade tobacco dust for indoor fumigating. Contains 12½ per cent nicotine. 2½ lbs. \$2.75 (\$3 by mail), 10 lbs. \$9.50 (\$10 by mail).

Paris Green. For spraying or dusting. Very effective against cabbage worms and potato beetles. Not available. $\frac{1}{4}$ lb. 25 cts., $\frac{1}{2}$ lb. 40 cts., lb. 70 cts., 5 lbs. \$3.

Plant Spray, O. K. One of best sprays for all soft-bodied insects and rose bugs, either indoors or out. Not available. Qt. \$1, gal. \$3, 5 gals. \$10.

Pyrox. A combined insecticide and fungicide. Mixes readily with cold water. One pound makes five gallons of spray. Not available. Lb. 50 cts., 5 lbs. \$1.75.

Slug Shot. Non-poisonous, but very effective against potato beetles, cabbage worms, etc. Lb. 25 cts. (35 cts. by mail), 5 lbs. 60 cts. (85 cts. by mail).

Rat Corn. Sure death to rats; harmless to human beings. Pkg. 50 cts. (60 cts. by mail).

Tree Tanglefoot. Sticky banding compound for protecting trees from creeping insects. One application lasts three months. Lb. 60c. (70 cts. by mail), 5 lbs. \$2.75 (\$3 by mail).

Tobacco Dust. (Fine.) For either dusting or fumigating, and a preventative against insects in ground around roots. 2 lbs. 25 cts. (35 cts. by mail), 5 lbs. 50 cts. (70 cts. by mail), 10 lbs. 80 cts. (\$1.20 by mail), 100 lbs. \$7.

Tobacco Stems. For fumigating and mulching; also used for chicken and pigeon nests to kill lice. Bale lots only (about 100 lbs.), \$4.

Vaporkil. Non-poisonous. Kills bugs by suffocation and acts as a repellent to practically all insects. Frequent use will keep your garden free from pests. Lb. 35 cts. (45 cts. by mail), 3 lbs. \$1 (\$1.15 by mail).

Weed Killer. Kills weeds in walks, gutters, etc. Mix with water and apply with watering-pot. Not available. Qt. 75 cts., gal. \$2.

Worm Eradicator. For killing worms in lawns, golf greens, pots, tubs, or greenhouse benches. One pound for 600 square feet. Lb. \$1 (\$1.10 by mail), 10 lbs. \$8 (\$8.40 by mail).

Include Insecticides with seed order so you will be sure to have them when needed



INOCULATING CULTURE.

Increase your yield of all Clovers, Peas, and Beans by using Farmogerm nitrogen inoculation. Not only gives bigger crops from these, but helps to store up nitrogen in the ground for use of succeeding crops. Full directions for use on each bottle. Garden size (for Peas, Beans, and Sweet Peas) 50 cts., 1-acre size \$1, 3-acre size \$2.50, 12-acre size \$9, all postpaid. Be sure to state crop for which it is intended.

Plant Foods and Fertilizers

Stim-U-planT. The best plant food in convenient tablet form. We recommend its use for both indoor and outdoor use on all flowers, shrubs, vegetables, etc. Will promote more rapid growth and earlier maturity. Particularly good for Roses. May be used either in tablet form or dissolved in water. 10 tablets 15 cts., 30 tablets 25 cts., 100 tablets 75 cts., 1,000 tablets \$3.50, all postpaid.

Cheem-Bone. Odorless, high analysis, bone meal fertilizer. Very effective for all plants. 8-oz. can 35 cts., postpaid.

Springfield Rose Food. Especially formulated for Roses both indoors and out. Its use will promote stronger and sturdier bushes, heavier foliage, and more flowers of finer substance. 10 lbs. \$1 (\$1.40 by mail), 25 lbs. \$2, 100 lbs. \$5.

Sheep Manure. Pure sheep manure, sterilized and weed seeds killed. Safe and very effective for any kind of gardening or landscape work. 100 pounds equals a load of barnyard manure. 5 lbs. 50 cts. (70 cts. by mail), 10 lbs. 90 cts. (\$1 by mail), 50 lbs. \$2, 100 lbs. \$3.50, ton \$50.

Bone Meal. Pure ground bone. One of safest and best fertilizers for vegetables, flowers, shrubs, or roses. 2 lbs. 30 cts. (40 cts. by mail), 5 lbs. 50 cts. (70 cts. by mail), 10 lbs. 90 cts. (\$1.30 by mail), 100 lbs. \$4.25, ton \$52.

Prepared Humus. A very light decayed peat, especially good to top-dress lawns and gardens. Ideal for starting seedlings in flats. Clean and pleasant to handle. For lawns use 200 pounds per 1,000 square feet; for gardens, 400 pounds per 1,000 square feet. 100 lbs. \$2.50, 500 lbs. \$11, 1,000 lbs. \$20, ton \$35.

Plant Foods and Fertilizers, continued

Pakro Lawn and Garden Dressing. A complete scientific plant food for both lawn and garden. Contains all the elements necessary to promote luxuriant growth. 10 pounds are sufficient to top-dress 1,000 square feet. 10 lbs. \$1.10 (\$1.50 by mail), 100 lbs. \$5.

Wood Ashes. Used as dressing for lawns and gardens. Keeps all kinds of root maggots and cut worms in check. 100 lbs. \$3, ton \$35.

Nitrate of Soda. Used on all leaf crops to promote quicker and more luxuriant growth. Not available. 5 lbs. 60 cts., 10 lbs. \$1, 100 lbs. \$7.

Sulphate of Ammonia. Unexcelled for lawns, putting greens, etc. Kills weeds and stimulates grass. 2 lbs. 35 cts. (45 cts. by mail), 5 lbs. 75 cts. (95 cts. by mail), 10 lbs. \$1.25 (\$1.65 by mail), 25 lbs. \$2.25, 100 lbs. \$6.50.

Asparagus Salt. Used on asparagus beds in the spring to promote better growth. 100 lbs. \$2.50, 200 lbs. \$4.50.

Hydrated Lime. Makes sour soils sweet and improves the physical condition of both heavy and light soils. Do not use with animal manures or for potato crop. Use at rate of 50 pounds per 1,000 square feet. 50 lbs. \$1.25, 100 lbs. \$2.25, ton \$30.

Garden Requisites and Sundries

Garden Arches. Strongly made of iron and painted green. Will last a lifetime. Standard size 8 feet high, 5 feet wide, with sides 22 inches deep. \$16 each.

NOTE.—We make trellises and arches of all kinds to order. Send us your specifications for prices before buying elsewhere.

Cultivator, Gilson Triplex, No. 20. This new garden Cultivator combines three useful tools in one with advantage that all are carried on the machine and any one can be instantly adjusted. Turn the knob on the revolving axle and tool wanted locks in place. There is a nine-tooth Cultivator adjustable from 5 to 14 inches; a 9-inch weeder blade, and a 5-inch plow. Machine is made of steel and hard wood. Price \$11.50 complete.

Gilson Liberty, No. 2. Similar to the above, but has only the Cultivator teeth. Price \$5.50.

Dubl-Duti Hand. Six-inch scuffle or push hoe on one side, rake on other. Fine for working under shrubbery or flower plants. Five-foot handle. Price \$1.25 (\$1.50 by mail).

Flower-Boxes, Success Self-Watering. Made of galvanized sheet steel, lock seamed and soldered water-tight. Trough provided at the bottom for watering and draining off excessive moisture. 8½ inches wide by 6¼ inches deep. Prices: 30-in. size \$2.25 (\$2.75 by mail); 36-in. size \$3.25 (\$3.75 by mail).

Hoes, Magic Weeder. Made of strong steel wires in the shape of a claw. Adjustable in width to cultivate between and close to small plants.

Style B. Three prongs. 18-inch handle, 30c. (35 cts. by mail).

Style C. Four prongs. 8-inch handle, 40 cts. (45 cts. by mail).

Style F. A much heavier weeder with four prongs and a 42-inch handle, 80 cts. (90 cts. by mail).

Hose. Best quality for garden and lawn. Three-fourth inch, non-kinkable. Will last for years with proper care. Supplied with couplings. 25-ft. length \$4.50, 50-ft. length \$9.

Hotbed Mats. Burlap-covered wool mat, size 76 x 76 in. Covers two standard sash. \$3.50 each, \$36 per doz.

Labels, Garden. Keep your garden orderly and know the varieties planted by using Garden Labels. 6-in., 20 cts. per doz., \$1 per 100; 8-in., 25 cts. per doz., \$1.50 per 100; 10-in., 30 cts. per doz., \$2 per 100; 12-in., 40 cts. per doz., \$2.50 per 100,

Labels, Garden, continued

postpaid. Prices on larger quantities and different sizes gladly sent on request.

Wired. Three-inch labels with copper wires. For marking trees, shrubs, dahlias, etc. 20 cts. per doz., \$1 per 100, postpaid.

Sprinklers, Rainstorm. Best for lawn and garden. Will thoroughly water a circle 5 to 50 feet in diameter. Operates on low pressure and sure to give satisfaction. \$2.50 each (\$3 by mail).

Skinner Saucer Spray. A big-little Sprinkler. Nothing to get out of order. Top easily removed for cleaning holes. Sprinkles full or half-circle. Made by Skinner Irrigating Company. 75 cts. each, postpaid.

Paper Pots, Neponset. Made of waterproof paper, long-lasting and unbreakable. Ideal for starting seedlings indoors. 2½-in. pots, 20 cts. per doz., \$1 per 100; 3-in. pots, 25 cts. per doz., \$1.40 per 100; 4-in. pots, 30 cts. per doz., \$2 per 100, by express. If wanted by mail, add 5 cts. per dozen, or 25 cts. per 100 to prices listed.

Plant Supports, Adjusto. Green painted wood stake with adjustable wire hoop. 2 ft. high, 75 cts. per doz. (85 cts. by mail); 3 ft. high, \$1.75 per doz.; 4 ft. high, \$2 per doz.

Plant Stakes, Bamboo. 6 ft. high, 30 cts. per doz. (50 cts. by mail), \$2 per 100.

Wood Painted. Round white pine stakes painted green. 2 ft. high, 60 cts. per doz., \$4 per 100; 3 ft. high, \$1 per doz., \$7 per 100; 4 ft. high, \$1.50 per doz., \$10 per 100; 5 ft. high, \$2 per doz., \$13 per 100.

Pruning Shears. 7-inch full nickel plated. \$1.75 each (\$1.85 by mail).

Sprayers, Boss Knapsack. Capacity 4 gal., discharged with two or three pumpings. Made of heavy galvanized iron or brass; brass pump and working parts. Automatic nozzle, self-cleaning. Brass \$9; Galvanized \$7.

Hand. Extra-strong, substantially constructed, compact and handy. Best for all small spraying jobs. Capacity one quart. 75 cts., postpaid.

Feeney Duster Gun. Most effective way to apply all dust or powder insecticides. The dust cloud from this gun covers all surfaces, top, bottom, and sides. \$1.50, postpaid.

Tree Guards. Galvanized expanded metal lath. Protects trees from all kinds of rodents and lasts for years. 16 in. high, 4 in. diameter, \$1.50 per doz., \$10 per 100; 24 in. high, 8 in. diameter, \$4 per doz., \$30 per 100.



PAKRO SEEDTAPE

**Saves
Seeds**

**Reduces
Labor**

A highly practical, labor-saving way of planting the small garden seeds, with advantages over dropping seeds by hand that approximate the advantages of a modern sowing machine over the scythe.

It is used annually by thousands of gardeners, both large and small, who prefer it to the usual method of planting, many of whom write us they would stop gardening if they could not get it.

What It Is

It is a narrow strip of thin tissue paper upon which are placed (by machine and with a machine's accuracy) the leading varieties of small vegetable and flower seeds correctly spaced for planting. The seeds are placed on this narrow strip of tissue automatically and paper reeled and packed by machine. All vegetable seeds are taped in rolls 40 feet long and all flower seeds in rolls 10 feet long. When planted, the ground moisture dissolves the paper and leaves the seed to grow correctly spaced and stronger for not being crowded. *Full planting and cultural directions are on each packet.*

What It Does

It makes planting easier and quicker; eliminates waste of seed; reduces transplanting; makes thinning out almost unnecessary; helps seeds to grow faster and stronger; keeps garden rows straight and even, and enables the amateur to plant in a scientific manner by eliminating guesswork and doubt.

We list on this page all varieties offered in Seedtape and recommend each for your favorable consideration. Price, all varieties, 10 cts. each, postpaid anywhere in the United States.

SPECIAL PRICES TO LARGE PLANTERS. We supply Seedtape in many varieties for large growers, including Onions, Mangel Beets, Sugar Beets, Asparagus, Lettuce, Radishes, Pansies, etc., and would be pleased to make you a special quotation upon receipt of list of your requirements. All large acreage Seedtape is put up in rolls of from 1,000 to 3,000 feet each.

Seedtape Vegetables

Beet, Early Egyptian.
Beet, Crimson Globe.
Brussels Sprouts, L. I. Imp'd.
Cabbage, Ely. Jersey Wakefld.
Cabbage, Prem. Flat Dutch.
Carrot, Chantenay.
Carrot, Oxheart.
Corn Salad, Round.
Endive, Green Curled.
Kale, Dwarf Curled.
Kohlrabi, White Vienna.
Leek, Large Flag.
Lettuce, Big Boston.

Lettuce, B. S. Simpson.
Lettuce, Salamander.
Lettuce, Trianon Cos.
Onion, Prizetaker.
Onion, Red Wethersfield.
Onion, Southport White Globe.
Onion, White Portugal.
Onion, Yellow Globe Danvers
Parsnip, Hollow Crown.
Radish, French Breakfast.
Radish, Icicle.
Radish, Long Scarlet.
Radish, Scarlet White Tip.

Rutabaga, Imp'd Purple-Top.
Spinach, Long Standing.
Swiss Chard, Silver Leaf.
Tomato, Beauty.
Tomato, Earliana.
Tomato, June Pink.
Tomato, Ponderosa.
Tomato, Stone.
Turnip, Early White Milan.
Turnip, Purple-Top White Globe.
Turnip, Purple-Top Str.-Leaf.

SPECIAL OFFER: One pkt. each of the above 37 choice varieties of vegetables for \$2.50, postpaid

Seedtape Flowers

Alyssum, Little Gem.
Aster, Crego Giant Mixed.
Aster, Queen of Market Mixed.
Aster, Late Branching Mixed.
Bachelor's Button.
Balsam, Double Mixed.
Calliopsis coronata.
Candytuft, Mixed.

Chrysanthemum coronarium.
Gypsophila elegans.
Hollyhock, Double Mixed.
Larkspur, Stock-Fld. Mixed.
Mignonette.
Morning Glory, Japanese Mixed.
Phlox Drummondii, Mixed.

Pinks, Double Mixed.
Poppy, California.
Stocks, Ten Weeks' Double Mixed.
Sweet Peas, Grandiflora M'x'd.
Sweet Peas, Spencer Mixed.
Verbena hybrida Mixed.

SPECIAL OFFER: One pkt. each of the above 21 choice varieties of flowers for \$1.50, postpaid

I have used Seedtape and want to say that it produced the finest garden that I have ever had.—JONAS MILLS, Farmland, Ind.

I had some of the best Radishes I ever tasted from your Seedtape last year.—MRS. M. B. GARNETT, Great Village, N.S., Canada.



MELROSINE

It Kills Rose Bugs

FRUIT, GARDEN and HOME

For Home Lovers in Cities, Towns and Suburbs

Introductory Subscription Rates: 3 years \$1; 1 year 35c; Bulb Book FREE

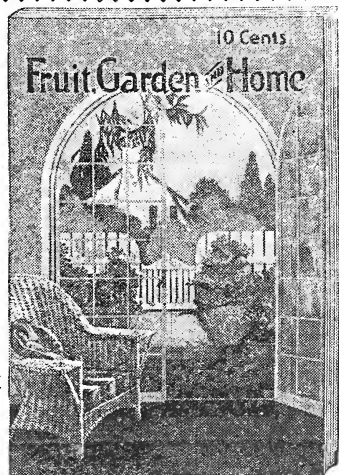
In it you will find information, ideas and suggestions regarding:

- Which flowers like "wet feet"—which dry ground—
- What flowers like shade—which need sunshine—
- What varieties of flowers, shrubs and trees to plant—
- Building plans; landscaping; improving your lawn—
- Interior decoration; arrangement of furniture—
- How to prune and transplant—What shrubs winter kill—
- Suggestions for the kitchen; recipes; serving; canning—
- A thousand and one ideas about gardening and fruit—

Fruit, Garden and Home is practical—it gives new ideas, and new suggestions that can be used at once by persons living on an average-size city or town lot, as well as by those who have larger grounds.

This fine publication is the equal in appearance and quality of some much higher priced magazines. Covers are in four colors. A good grade of paper is used. It is beautifully illustrated, and is the only national magazine of its kind published at a popular price—3 years for \$1; 35 cents for one full year. Single copies 10 cents each. Satisfaction guaranteed or money refunded. Above rates good only in U. S. proper. Rates for 8th Zone, Canada and foreign countries, \$2 for 3 years.

Address: Fruit, Garden and Home, E. T. Meredith, Pub., Des Moines, Iowa



For Special Introductory Offer, See Other Side

WHY RAISE ROSES

ROSE Bugs are those pernicious pests known only too well to exasperated rose lovers—the nasty grayish-brown, long-legged, quick-flying beetles, about three-eighths of an inch long, sometimes also known as Rose Chafers, Rose Beetles, Rose Curculio, etc.

They suddenly swarm in the gardens in myriads for five or six weeks, just when the roses come into bloom. They first attack white and blush roses, then passing to the yellow, pink, and red beauties. Having ruined all the roses, flowers, buds, petals, and foliage, they overrun peonies, Japanese iris, lilacs, spirea, coreopsis, rhododendrons, and other June blooms. They also infest cherries, grape vines, etc., and will even ravage vegetables.

Thus, although known as Rose Bugs, hardly a garden subject is safe from their rapacious appetite.

Meanwhile, they have laid their eggs in the lovely rosebuds, to hatch into grubs, which find their way into the soil. There they hibernate over the winter to emerge full-fledged in still greater numbers when the roses bloom again. Every Rose Bug in your garden is therefore not only a present evil, but a still greater menace for the future.

Until the advent of MELROSINE, these iron-clad spoilers were invincible; their hard shells and enormous vitality making them practically immune to ordinary poisons, unless used in such strength as to be destructive to plants.

Formerly the only known remedy (?) was to pick them by hand if you could catch them, and drown them in kerosene—in truth a counsel of despair.

BUT NOW ROSE BUGS NEED NO LONGER BE PATIENTLY ENDURED: THEY ARE EASILY ELIMINATED. If you let them ruin your garden it will simply be due to your own neglect, you can't blame it on "luck."—For, when

SPRAYED WITH MELROSINE—THEY DIE!

Based upon an entirely new principle, non-poisonous, *pleasant and harmless to use*, yet



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See Other Side for Description of Fruit, Garden and Home

50 A.S.&S.

S TO FEED BUGS

MELROSINE

Is Certain Death to Rose Bugs!

The blooms are saved *without spot or blemish*, PERFECT—for not only the dreaded Rose Bugs but other insects are destroyed. Moreover, the plants are cleansed and sanitized, thus preventing disease, and adding resistance to winter killing. Strengthened, invigorated and refreshed, they produce a greater number of blooms, enhanced in color, beauty, and size.

MELROSINE is a concentrated liquid insecticide: One gallon will make from 20 to 25 gallons of spray solution, and will care for over 100 rose bushes for the season. The simple directions on every can make it easy to use.

MELROSINE made its great success as a positive remedy for Rose Bugs, for which it is, so far as we know, the only effective preparation. But of course, the less resistant insects succumb still more readily to its deadly power, and therefore you have in

MELROSINE

The One Universal Contact Insecticide

offering all the convenience and economy of having on hand one preparation to combat various sucking insects. It is effective for most species of Plant Lice, Black Flies, Green Flies, Soft Scale Insects, Rose Leaf Hoppers, Saw Flies, Japanese Beetles, Thrips, Red Spiders, Aster Bugs, Mealy Bugs, etc.

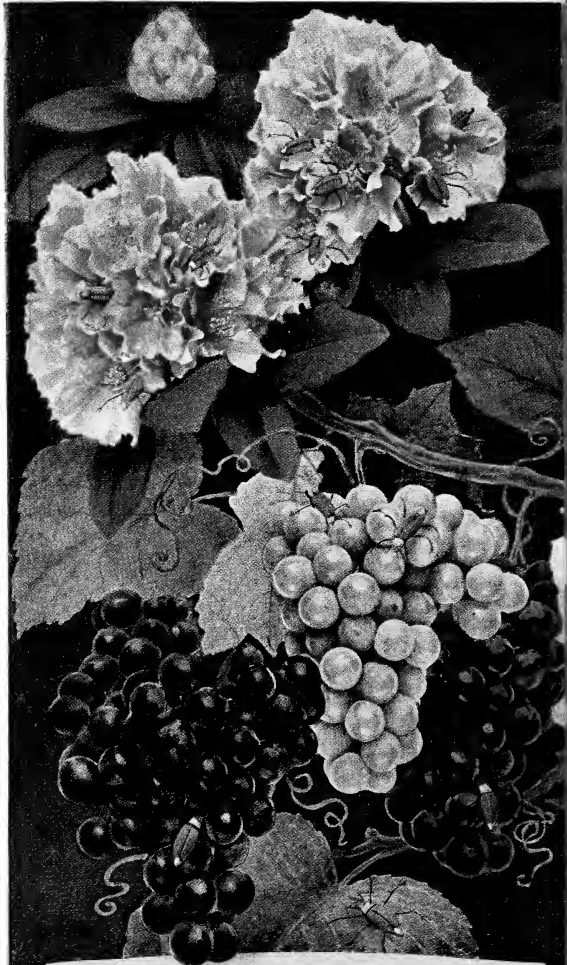
Price List of MELROSINE

Gallon Can.....	\$6.00	Quart Can.....	\$1.75
Half-Gallon Can..	3.25	Pint Can.....	1.00
Trial Size.....	50c		

By Mail or Express at purchaser's expense, or the Trial Size sent Postpaid for 60c.

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PURE INOCULATION CULTURES

For accumulating and conserving nitrogen in your soil. Use it when you plant:

All Clovers, Alfalfa, Soy Beans, Cow Peas, Vetch, Peanuts, Peas, Beans, Lespedeza, Sweet Peas, and all other legumes.

Farmogerm cultures contain many millions of highly beneficial germs that have been scientifically propagated

and selected to produce the most nodules, and to gather the largest amounts of nitrogen from the air. Science working with and assisting nature made Holstein and Guernsey cows superior to the old scrub. In the same way there have been produced better hogs, better seeds. Scientifically produced Farmogerm is vastly superior to the natural germs of the soil. Do not trust inferior cultures nor to soil transfer—they will not give you as much soil-building, and you are jeopardizing your whole crop.

Build up barren soil, rebuild worn out soil, and conserve good soil by using good seed and Farmogerm *every time* you plant legumes. Farmogerm pays for itself many times over by increased crops and more fertile soil.

Just one of the reasons why Farmogerm is better, more reliable, is that it is packed in patented ventilating stoppered bottles. You would not ship cattle in a tightly closed box car, and as the bacteria in Farmogerm are active, living little creatures they need air on which to live until you release them in the soil. In this bottle, these bacteria will remain fresh and active for several years—no risk to you of using dead cultures. Farmogerm cultures are the only ones on the market guaranteed to remain fresh for years.

The millions of bacteria in every Farmogerm bottle have unusual nitrogen-gathering ability. Put them on seed and they will keep right on working for you day and night—drawing nitrogen from the air, as they have been doing in the patent stoppered bottle. They are the kind that increase by many more millions after you place them in your soil—for bigger crops and increased fertility.

YOU GET THREE PROFITS

Count your Farmogerm profit three ways: Seed insurance—bigger legume crops—more nitrogen in your soil for non-leguminous crops. Farmogerm for Red Clover is propagated especially for Red Clover, Farmogerm for Peas is particularly for Peas, and so on. When you order, specify crop on which you expect to use it.

Prices: 1-Acre size, \$1; 3-A, \$2.50; 12-A, \$9; 1/4-A, 50c. Garden size, will treat up to 15 lbs. peas, beans or sweet peas, 50c.

Please send Farmogerm to address below: _____ bots. _____

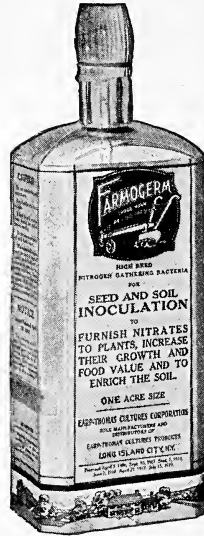
size, to inoculate _____ Remittance, \$ _____

NAME _____

ADDRESS _____

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As You Buy Seeds—
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Madison, N. J.

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QUALITY SEEDS

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or Rural Delivery

County _____ State _____

Only if different from Post Office

State if wanted by Mail, Express or Freight

PLEASE BE SURE TO FILL IN YOUR NAME AND ADDRESS



Shrubs, Hedge Plants and Evergreens

We offer on this page a selected list of Hardy Shrubs and Evergreens at reasonable prices. Though it is not a long list, it has been arranged to take care of nearly every small or medium-sized home-planting requirement. The very best of the spring- and summer-flowering shrubs are included, as well as the ever-popular varieties that provide brilliant-colored foliage and berries throughout the fall and winter months, and, finally, the fascinating evergreens without which no winter-garden is complete.

Start this year with a few good shrubs and evergreens and each year
PLAN TO PLANT ANOTHER.

Aronia melanocarpa. CHOKEBERRY. Tall. Pure white flowers in May, followed by black berries which remain through the winter, providing food for the birds. 1½ ft., 50 cts. each; 2 to 3 ft., \$1 each.

Cornus alba sibirica. RED-TWIGGED DOGWOOD. Tall. White flowers in June. Valued chiefly for its blood-red twigs in winter. 2 to 3 ft., 75 cts. each.

C. florida. DOGWOOD. Tall. The common Dogwood which so beautifies our woods and forests in the spring. 3 to 4 ft., \$1.50 each; 6 to 8 ft., \$4 each.

Calycanthus floridus. STRAWBERRY SHRUB. Medium tall. An old-time favorite. Whole plant is aromatic. Prized for its very fragrant, deep maroon flowers in May. 1½ ft., 50 cts. each; 2 to 3 ft., \$1 each.

Deutzia crenata fl.-pl. LILY-OF-THE-VALLEY BUSH. Medium tall. Bears beautiful, full double pink flowers in May. 2 to 3 ft., 50 cts. each; 3 to 4 ft., \$1 each.

Forsythia Fortunei. GOLDEN BELL. Tall. One of the first shrubs to bloom in the spring. Flowers golden yellow. 2 to 3 ft., 50 cts. each; 3 to 5 ft., \$1 each.

Hibiscus syriacus. ALTHEA: ROSE OF SHARON. Tall. Blooms during August and September. Flowers resemble hollyhocks, pink and white. Excellent for hedging or as specimens. 3 to 4 ft., 75 cts. each.

Hydrangea paniculata grandiflora. COMMON HYDRANGEA. Tall. Bears immense pyramidal panicles of pure white flowers in August which turn to pleasing autumn shades in the fall. 2 to 3 ft., 80 cts. each.

Lonicera tatarica. BUSH HONEYSUCKLE. Medium tall. Flowers are pink, red, and white followed by bright red berries which make excellent food for birds. 2 to 3 ft., 50 cts. each; 3 to 5 ft., \$1 each.

Myrica cerifera. BAYBERRY. Tall; practically evergreen. Bears light grayish blue berries in fall. Used for making Bayberry candles. 2 to 3 ft., \$1 each.

Philadelphus coronarius. MOCK ORANGE. Tall. Bears white blossoms in May which resemble the true orange blossoms in both shape and fragrance. 2 to 3 ft., 50 cts. each; 3 to 5 ft., \$1 each.

Rosa rugosa. JAPAN ROSE. Medium tall. Rose or white single flowers in June, followed by bright red berries. Excellent for hedge, especially at seashore. 2 to 3 ft., 80 cts. each.

Salix Caprea. PUSSY WILLOW. Medium tall. Admired for its pretty catkins in early spring. 2 to 3 ft., 50 cts. each; 4 to 6 ft., \$1 each.

S. babylonica. WEeping WILLOW. One of the most graceful of our ornamental trees. 3 to 4 ft., \$1 each; 4 to 5 ft., \$2 each.

Spiræa Van Houttei. BRIDAL WREATH. Tall. Covered with white flowers in May. Excellent for cutting. 2 to 3 ft., 50 cts. each; 3 to 4 ft., \$1 each.

S. Bumalda, Anthony Waterer. A red-flowered form of *S. Bumalda*. 1½ ft., 75 cts. each. **Symphoricarpos racemosus. SNOWBERRY.** 3 ft. high. Bears white waxlike berries from Sept. to Dec. 1½ to 2 ft., 50 cts. each.

S. vulgaris. INDIAN CURRANT. Similar to the above but with bright red berries. 1½ to 2 ft., 50 cts. each.

Syringa vulgaris. LILAC. Who doesn't know and love this sweet-scented, old-time favorite? White and lavender, 2 to 3 ft., 50 cts. each.

Viburnum plicatum. SNOWBALL. Strong, vigorous, bushy shrub which derives its common name, Snowball, from the large heads of pure white flowers that it bears in May and June. 2 to 3 ft., \$1 each.

Hedge Plants

Berberis Thunbergii. JAPANESE BAR-BERRY. Very dense, dwarf growth. Foliage green, turning to brilliant autumnal colors in the fall. Bears red berries practically all winter. 15 to 18 in., 50 cts. each; \$35 per 100.

Ligustrum ovalifolium. CALIFORNIA PRIVET. The well-known Privet used so extensively for hedging. 15 to 18 in., 10 cts. each, \$5 cts. per doz., \$9 per 100, \$55 per 1,000.

Evergreens

Biota nana aurea. DWARF GOLDEN CHINESE ARBORVITÆ. Very dwarf, globular shape. Golden foliage. \$2 each.

B. orientalis. CHINESE ARBORVITÆ. True pyramidal form. Foliage of young branches is flat and bright green. 1 to 1½ ft., \$2 each.

Juniperus excelsa stricta. JUNIPER. Very hardy. True pyramidal form. Color bluish green. 1 to 1½ ft., \$2 each.

J. Pfitzeriana. PLUMED JUNIPER. A very new and striking form of Juniper. Branches nearly horizontal. Foliage bluish green and feathery. 1 to 1½ ft., \$2 each.

Pinus flexilis. BLUE PINE. Rather dwarf, with very dense, bluish foliage. Is much used in place of Blue Spruce. 1½ to 2 ft., \$3 each.

P. Mugho. DWARF MOUNTAIN PINE. True Pine foliage. Very dwarf, spreading growth. Excellent for terraces. 1 ft., \$3 each.

Retinospora pisifera. PEA-FRUITED CYPRESS. Fine feathery foliage; 1 ft., \$2 each.

R. pisifera aurea. Golden form of the above. 1 ft., \$2 each.

Thuja occidentalis. AMERICAN ARBOR-VITÆ. Hardy and quick growing. Useful for hedges and windbreaks. 1½ to 2 ft., \$1.50 each.

All of the above will be shipped by express unless specifically stated that they are wanted by parcel post and sufficient postage is included with order. Planting directions included with each shipment.

***E**verything
for Your
Garden*